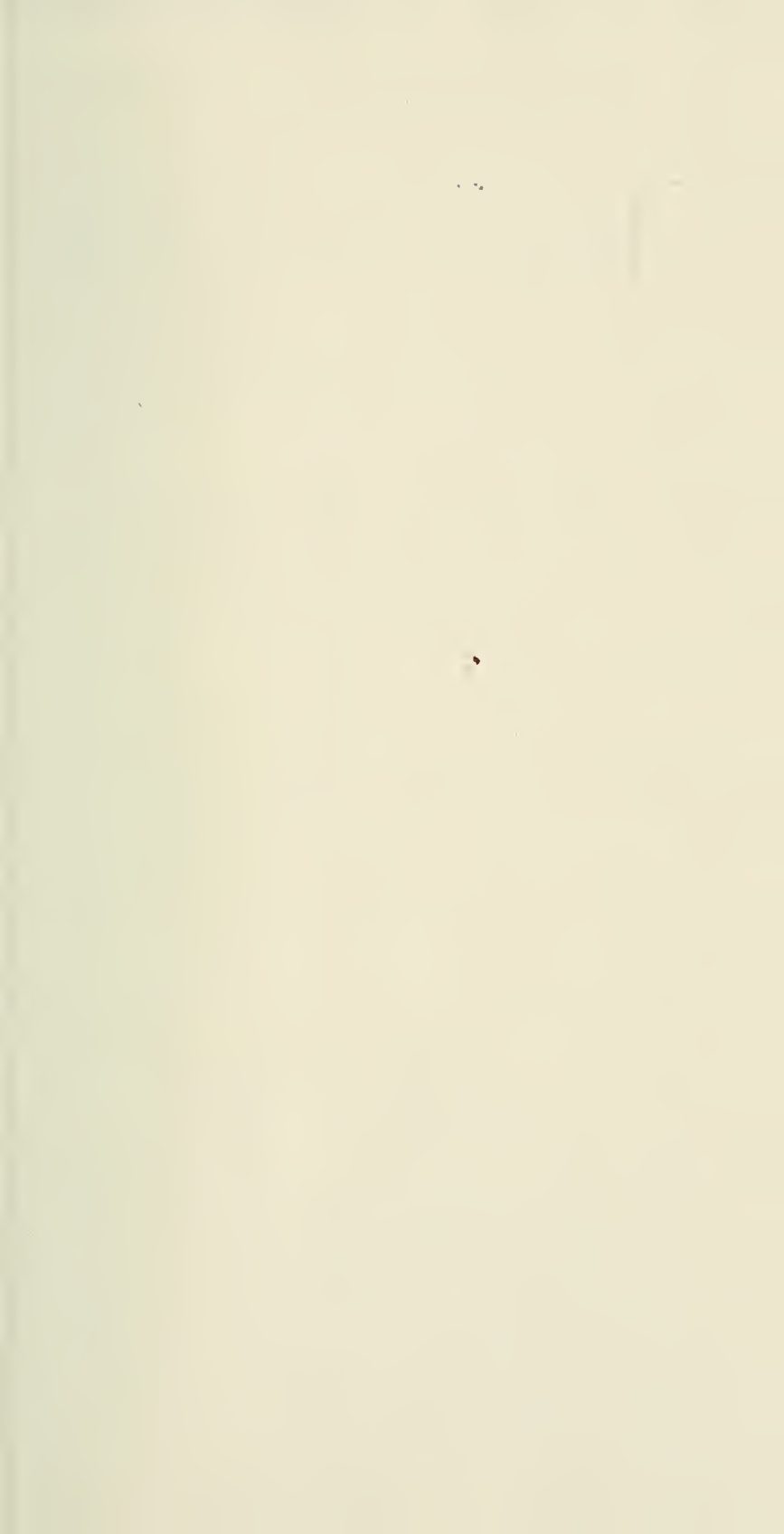


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BRYN MAWR COLLEGE

CALENDAR

Carola Woerishoffer Graduate
Department of Social Economy and
Social Research

1923

BRYN MAWR, PENNSYLVANIA
Published by Bryn Mawr College
Volume XVI. Part 1. January, 1923

*Entered as second-class matter, March 23rd, 1908, at the post-office, Bryn Mawr,
Pennsylvania, under Act of July 16th, 1894.*

Printed by The John C. Winston Co.,
Philadelphia, Pa.

ACADEMIC YEAR, 1923-24

October 1st.	Registration of students. Halls of Residence open for students at three p. m.
October 2nd.	Registration of students.
October 3rd.	The work of the thirty-ninth academic year begins at a quarter to nine o'clock.
October 13th.	Language examinations for M.A. Candidates.
November 24th.	Language examinations for M.A. Candidates.
November 28th.	Thanksgiving vacation begins at one'clock.
December 3rd.	Thanksgiving vacation ends at nine o'clock.
December 8th.	Language examinations for Ph.D. Candidates.
December 20th.	Christmas vacation begins at one o'clock.
January 5th.	Christmas vacation ends at nine o'clock. Friday lectures given on Saturday.
January 22nd.	Language examinations for Ph.D. Candidates.
January 23rd.	Half-yearly collegiate examinations begin.
February 2nd.	Half-yearly and collegiate examinations end.
February 4th.	Vacation
February 5th.	Vacation.
February 6th.	The work of the second semester begins at a quarter to nine o'clock.
March 21st.	Announcements of European Fellowships.
March 26th.	Spring vacation begins at one o'clock.
April 2nd.	Spring vacation ends at nine o'clock.
April 5th.	Ph.D. Language examinations.
April 18th.	Good Friday. Vacation.
May 20th.	Vacation.
May 21st.	Collegiate examinations begin.
May 31st.	Collegiate examinations end.
June 5th.	Conferring of degrees and close of thirty-ninth academic year.

OFFICERS OF ADMINISTRATION.

ACADEMIC YEAR, 1922-23.

President,

MARION EDWARDS PARK, PH.D.
Office: Taylor Hall.

President Emeritus,

M. CAREY THOMAS, PH.D., LL.D.

Acting Dean of the College,

ELEANOR BONTECOU, A.B., J.D.

Recording Dean and Assistant to the President,

ISABEL MADDISON, B.Sc., PH.D.
Office: Taylor Hall.

Secretary and Registrar of the College,

EDITH ORLADY, A.B.
Office: Taylor Hall.

ACADEMIC APPOINTMENTS.

1922-23

*Carola Woerishoffer Graduate Department of Social Economy
and Social Research.*

SUSAN MYRA KINGSBURY, PH.D., *Carola Woerishoffer Professor of Social
Economy and Director of the Carola Woerishoffer Graduate Department
of Social Economy and Social Research.*

A.B., College of the Pacific, 1890; A.M., Leland Stanford Jr. University, 1899; Ph.D.,
Columbia University, 1905. University Fellow, Columbia University, 1902-03; Holder
of the European Fellowship of the Women's Education Association, Boston, Mass., 1903-
04; Instructor in History, Vassar College, 1904-05; Director of Investigation, Massa-
chusetts Commission on Industrial and Technical Education, 1905-06; Instructor in
History and Economics and Head of Departments, Simmons College, 1906-07; Assistant
Professor, Associate Professor, and Professor in Economics, Simmons College, and
Director of the Department of Research, Women's Educational and Industrial Union,
Boston, 1907-15.

NEVA RUTH DEARDORFF, PH.D., *Associate Professor of Social Economy.*

A.B., University of Michigan, 1908; Ph.D., University of Pennsylvania, 1911; Fellow,
University of Pennsylvania, 1908-11. Staff, Assistant Director, Bureau of Municipal
Research, Philadelphia, 1912-18; Chief, Division of Vital Statistics, City of Phila-
delphia, 1914-16; Assistant to Director-General of Civilian Relief, American Red
Cross, 1918-20; Assistant to the General Manager, 1920-21.

EVA WHITING WHITE, B.S., *Non-resident Lecturer in Social Economy.*

B.S., Simmons College, 1907. Head Resident, Elizabeth Peabody House, Boston, Mass., 1909—; Massachusetts Board of Education, in charge of Vocational Education for Women and Girls, 1904-14; Staff Lecturer, Boston School for Social Work, 1912-14; Director of the Extended Use of Public School System of the City of Boston, 1912-18; Massachusetts Homestead Commission, 1916—; Massachusetts Immigration Commission, 1916; Survey of Public Schools, Gary, Ind., 1916; Vice-Chairman, Federal Commission on Living Conditions, 1917-1919; Director of Training, Intercollegiate Community Service Association, 1919-22; Acting Director, Boston School of Social Work, 1922—.

HENRIETTA S. ADDITON, A.M., *Non-resident Lecturer in Social Economy.*

A.B., Piedmont College, 1907; A. M., University of Pennsylvania, 1911; Fellow, University of Pennsylvania, 1910-11, 1912-13. Instructor, History and Civics, Piedmont College, 1908-10; Agent, Philadelphia Society for Organizing Charity, 1913-14; Probation Officer and Case Supervisor, Philadelphia Municipal Court, 1914-16; In Charge, Probation Department, Juvenile Court, 1917; Assistant Director, Director, Section on Women and Girls, Law Enforcement Division, Commission on Training Camp Activities, War Department, 1918-19; Executive Assistant and Director, Field Service, Women and Girls, United States Interdepartmental Social Hygiene Board, 1919-22; Executive Secretary, Big Sisters Association of Philadelphia, 1922—.

HELEN RANKIN JETER, M.A., *Instructor in Social Economy on Grace H. Dodge Foundation.*

A.B., University of California, 1917; M.A., University of Chicago, 1920; Certificate, Chicago School of Civics and Philanthropy, 1919; Graduate Student, University of Chicago, 1919-22; Special Agent, United States Bureau of Labor Statistics, 1917-18; Assistant in Social Investigation, Chicago School of Civics and Philanthropy, 1918-21; Assistant in the Graduate School of Social Service Administration, University of Chicago, 1921-22.

*Departments Offering Seminaries Specially Recommended to
Students of Social Economy.*

JAMES H. LEUBA, PH.D., *Professor of Psychology.*

Neuchâtel, Switzerland. B.S., University of Neuchâtel, 1886; Ph.D., Ursinus College, 1888; Scholar in Psychology, Clark University, 1892-93; Fellow in Psychology, Clark University, 1893-95; Ph.D., Clark University, 1896.

DAVID HILT TENNENT,* PH.D., *Professor of Biology.*

S.B., Olivet College, 1900; Ph.D., Johns Hopkins University, 1904. Fellow, Johns Hopkins University, 1902-04; Bruce Fellow, Johns Hopkins University, 1904.

THEODORE DE LEO DE LAGUNA, PH.D., *Professor of Philosophy.*

A.B., University of California, 1896, and A.M., 1899; Ph.D., Cornell University, 1901. Teacher in the Government Schools of the Philippine Islands, 1901-04; Honorary Fellow and Assistant in Philosophy, Cornell University, 1904-05; Assistant Professor of the Philosophy of Education, University of Michigan, 1905-07.

MARION PARRIS SMITH, PH.D., *Professor of Economics.*

A.B., Bryn Mawr College, 1901, and Ph.D., 1908. Graduate Student, Bryn Mawr College, 1902-05, Fellow in Economics and Politics, 1905-06; Bryn Mawr College Research Fellow and Student in Economics and Politics, University of Vienna, 1906-07.

CLARENCE ERROL FERREE, PH.D., *Professor of Experimental Psychology
and Director of the Psychological Laboratory.*

B.S., Ohio Wesleyan University, 1900, A.M., 1901, and M.S., 1902; Ph.D., Cornell University, 1909. Fellow in Psychology, Cornell University, 1902-03; Assistant in Psychology, Cornell University, 1903-07.

MATILDE CASTRO, PH.D., *Phebe Anna Thorne Professor of Education and
Director of the Phebe Anna Thorne School.*

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the Morris High School, Morris, Ill., 1901-03; Instructor in Philosophy, Mount Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12.

* Granted leave of absence for the year 1922-23.

GERTRUDE RAND, Ph.D., *Associate in Experimental and Applied Psychology.*

A.B., Cornell University, 1908; Ph.D., Bryn Mawr College, 1911. Graduate Scholar in Psychology, Bryn Mawr College, 1908-09, 1911-12, Fellow in Philosophy, 1909-10, Fellow in Psychology, 1910-11, and Sarah Berliner Research Fellow, 1912-13.

CHARLES GHEQUIERE FENWICK, Ph.D., *Professor of Political Science.*

A.B., Loyola College, 1898; Ph.D., Johns Hopkins University, 1912. Student of Political Science, Johns Hopkins University, 1909-11; Law Clerk, Division of International Law in the Carnegie Endowment for International Peace, 1911-14; University of Freiburg, summer, 1913; Lecturer on International Law, Washington College of Law, 1912-14.

HOWARD JAMES SAVAGE, Ph.D., *Associate Professor of English and Director of the Work in English Composition.*

A.B., Tufts College, 1907; A.M., Harvard University, 1909, and Ph.D., 1915. Instructor in English, Tufts College, 1908-11; Instructor in English, Harvard University, 1911-13, and at Radcliffe College, 1911-15; Graduate Student, Harvard University, 1908-09, 1913-15; Instructor in the Harvard Summer School, 1912, 1913, 1914, 1915.

ADA HART ARLITT, Ph.D., *Associate in Educational Psychology.*

A.B., H. Sophie Newcomb Memorial College of Tulane University, 1913; Ph.D., University of Chicago, 1917. Fellow in Biology, H. Sophie Newcomb Memorial College, 1913-14; Fellow in Psychology, University of Chicago, 1914-16; Fellow in Sprague Institute, 1916-17.

SAMUEL ARTHUR KING, M.A., *Non-resident Lecturer in English Diction.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Public Speaking Johns Hopkins University, 1901; Special Lecturer in Speech, University of California, 1902.

Special Lectures on Problems of Health.

ALICE HAMILTON, M.D., *Lecturer on Industrial Poisons.*

M.D., University of Michigan, 1893. Universities of Leipzig and Munich, 1895-96; Johns Hopkins University, 1896-97; University of Chicago, 1898-1900; Institut Pasteur, Paris, 1903. Professor of Pathology, Woman's Medical College of North Western University, 1899-1902; Bacteriologist, Memorial Institute for Infectious Diseases, 1902-10; Investigator of Industrial Poisons for U. S. Department of Labor, 1910—; Assistant Professor of Industrial Medicine, Harvard Medical School, 1920—.

KATHERINE ROTAN DRINKER, M.D., *Lecturer on Social Hygiene.*

A.B., Bryn Mawr College, 1910; M.D., Woman's Medical College of Pennsylvania, 1914. Graduate Research Student, Department of Physiology, Harvard Medical School, 1914-15, and Johns Hopkins Medical School, 1915-16; Assistant Resident Physician, Peter Bent Brigham Hospital, Boston, 1917; Managing Editor, *Journal of Industrial Hygiene*, Harvard Medical School, 1918—.

JOSEPHINE CLARA GOLDMARK, A.B., *Lecturer on Fatigue in Industry.*

A.B., Bryn Mawr College, 1898. Graduate Student, Barnard College, 1899-1900; Member of Committee on Newsboys, New York Child Labor Committee, 1904-16; Publication Secretary, National Consumers' League, 1903-19; Special Expert, United States Public Health Service, 1918-19; Secretary, Committee for the Study of Nursing Education, 1919—.

CHARLES-EDWARD AMORY WINSLOW, M.S., Dr.P.H., *Lecturer on Questions of Sanitation.*

Anna M. R. Lauder-Professor of Public Health in Yale University.

BRYN MAWR COLLEGE

THE CAROLA WOERISHOFFER GRADUATE DEPARTMENT OF SOCIAL ECONOMY AND SOCIAL RESEARCH.

The Carola Woerishoffer Graduate Department of Social Economy and Social Research was opened in the autumn of 1915 in order to afford women an opportunity to obtain an advanced scientific education in Social Economy which, it is hoped, will compare favorably with the best preparation in any profession. It is known as the Carola Woerishoffer Graduate Department in order that the name of Carola Woerishoffer, who devoted her life to social service and industrial relations, may be associated in a fitting and lasting way with Bryn Mawr College which she so generously endowed.

The programmes offered in the Department fall into four groups: (1) Programme in social case work in family and child welfare and in social guardianship; (2) Programme in community organization; (3) Programme in industrial organization, including industrial relations and personnel administration; (4) Programme in social and industrial research. The principles upon which the programmes are based are those which have been tested in the older professional schools:

(1) The work is distinctly and entirely postgraduate.

(2) Instruction in the fundamental principles underlying the social and industrial structure is regarded as prerequisite to the graduate courses; for example, elementary economic theory, elementary psychology or social theory, and if possible politics, statistics, history, and social and industrial problems.

(3) Instruction includes on the one hand seminars embodying the theory of social relations and of industrial relations; and on the other hand seminars giving the technique of social case work, of community organization and leadership, of labor adjustments, and of social and industrial research, accompanied in each case by field practice, called a practicum.

(4) All observation, field practice, and non-resident experience is carefully and closely supervised by an instructor well grounded in theory, familiar with and experienced in technique.

The different fields of work may be subdivided into four main groups: I, Social Case Work in Family Care and Child Welfare, Hospital and Psychiatric Social Service, and Social Guardianship and Custody; II, Community Work; III, Industrial Relations and Personnel Administration; IV, Social and Industrial Research.

The programmes on pages 25-30 are presented in order to afford the student a panoramic view of the work which is open to her (see the successive programmes), the agencies which carry on work in each field (see the last column of each programme), and the types of positions open in the various agencies (see next to the last column of each programme).

It will be noted that the same types of positions and problems are found in several fields of work. In the first column of each programme are placed, therefore, those subjects which provide the foundation for all types of positions. These subjects are selected from the group courses given in economics, politics, psychology, philosophy, biology, and history in Bryn Mawr College. In the second and third columns are given only those subjects which *bear directly* on the special field of work under consideration. The elementary and advanced undergraduate courses are cultural and not professional, but are recommended as courses of the greatest value for the student who wishes to direct *some part* of her college studies toward this specialized field. The courses given under "graduate courses" are *essential to adequate preparation* for the field of work indicated. The courses scheduled in the charts are not in every case described in this pamphlet but may be found in the Bryn Mawr Calendar, from which the description of courses given below (pages 32-42) is reprinted.

The wide range of choice in fields of work and in agencies, necessitates careful thought on the part of the student as to her natural fitness for any particular work, and the amount of time she can give to training herself for it. The student may write for advice and suggestion, or may wait until after arrival at Bryn Mawr for conference with the Director and Instructors before selecting the field in which she may work. The descriptions of the various programmes, together with the charts which follow, are presented in an endeavor to assist the student to wise

specialization although the fields will necessarily supplement one another and overlap as, for example, industrial adjustment and community work or industrial research, and *seminaries may be so chosen as to combine work in two fields*. The purpose of the outline is to suggest the content of an adequate preparation for the types of work considered and the range of opportunities in each field as they now exist.

I. Social Case Work.

Case work with families and with individuals, whose behavior and circumstances bring them to the attention of public or private agencies, has developed a highly specialized technique which can be thoroughly mastered only through study and practice. It began with the efforts of charity organization societies to administer relief in such a way that the clients would be permanently helped and the resources of the society and of the community fully and effectively utilized. But case work has come to be recognized as necessary to effect an adjustment of wholesale measures of social amelioration and protection to the needs and circumstances of the prospective beneficiaries or wards.

In varying degrees of development case work is carried on by family welfare societies, state, county and city welfare departments, mothers' pension boards, Red Cross Home Service, bureaus for the assistance and care of dependents, neglected or abused children, probation and parole departments of courts and reformatory institutions, departments of counseling in schools, social service departments in hospitals, clinics, and health agencies, in certain forms of vocational service to handicapped people and in other social welfare activities. In all of these various forms of case work, there are common elements and in each are special applications. The common elements are found in the technique of investigating and defining the problem which confronts the maladjusted individual or family. The special applications have to do with social institutions such as schools, industry, or the law to which the person or family is to be specially related. In other words an investigation to ascertain eligibility for mothers' pension and an investigation to ascertain the causes of juvenile delinquency in a given case

will have many common factors, but each investigation will also have some phases determined by the fact that in the one instance a relief measure is to be administered and in the other a corrective. An investigation to find out why a child is backward in school and an inquiry as to why clinic treatment is not showing the expected results are related but by no means identical. It is the aim of the training in case work in the Carola Woerishoffer Graduate Department, to emphasize the common basis of special investigation and social diagnosis, of the use of experts in medicine, psychiatry and similar fields of special study, and of the relation of the individual or family problem to community conditions and resources. Under the latter heading a knowledge of laws and their operation, of agencies, public and private, and of special research studies is developed.

Skill in the art of case work requires certain personal qualities on the part of the case worker. When contemplating preparation for the practice of case work, students might find it helpful to get in touch with a case working agency in their vicinity and to talk over with the executive director of that agency the requirements in time, effort, tact, sympathy, training and information which positions in case work require. College and other vocational bureaus, the American Association of Social Workers and the instructors of the Carola Woerishoffer Department will be glad to advise students regarding the requirements for success in the case work field.

In addition to the seminary in Case Work, to which it is presupposed the student will devote one-third of her time, she will take a seminary in The Family as a Social Institution, or in Races and Peoples, and a third seminary in related subjects, such as Psychology or Education. For students desiring technical courses in Criminal Law arrangements are made with the University of Pennsylvania Law School. (See Programmes I, II, III, pages 25 to 27.)

II. Community Organization.

Community Organization activities, ordinarily designated as Community Organization, fall into four principal groups: (1) The organization and federation of clubs for adults and children; (2) the mobilization of community interest and support for

particular activities or programmes such as those carried on by the Young Women's Christian Association, American Red Cross, and other groups; (3) the development of councils of social agencies and financial federations; (4) the creation of self-consciousness and channels of expression and activity in all communities, especially in those which are undeveloped.

Under the latter heading fall such activities as those of Community Centers, neighborhood associations, the social unit plan and the social settlements. This form of community organization presupposes that the citizens of the community really want to band themselves together for some form of cooperative undertaking. This involves the creation of some kind of machinery, and seems to point to the need for: (1) an executive secretary, director, leader or supervisor with assistants, whose number and character are to be determined by the size of the community and the quality and extent of the work to be supervised; (2) one or more adult workers whose chief function is the organization of groups of adults who may secure for themselves through such organization, instruction, recreation, entertainment or any other benefits or services comprehended in the plan; (3) one or more girls' workers whose duties are the organization and leadership of groups of girls of different ages in clubs such as are included in the National League of Girls' Clubs, Girl Scout Troops, Campfire Girls' groups, and through which girls may learn group organization and activities such as basketball, hockey, debating teams, and may attain group consciousness and secure opportunities for recreation, and education in vocational art and dramatics; (4) one or more boys' workers whose duties are the organization and leadership of boys' clubs and boys' activities, such as Boy Scout Troops, athletic teams, baseball, basketball, debating teams and such other groups through which boys can be given a knowledge of group organization and the spirit of group consciousness and provided with the opportunity for education, recreation, and exercise; (5) one or more children's workers whose duties shall be the supervision of playground activities, occupation clubs, classes, handicrafts and other activities for children.

All of these workers and activities cannot be secured in the

early development of any community association. It is, therefore, necessary for community workers to be prepared to direct several community activities and to be expert in at least one special activity. A large amount of volunteer service should be utilized and the director must be able to supervise the work of volunteers. The movement for sharing community workers is already fairly well advanced. Neighboring communities often unite in the employment of specialized workers who give different days to different communities, or settlements, as, for example, a girls' worker or a boys' worker may be employed for afternoon and evening work to give two or three days a week to different neighboring communities. On the other hand, in some localities, better service has been obtained by employing an assistant for certain types of work, such as children's work or girls' or boys' work, in each of several communities so as to provide these activities every day of the week, and engaging one or more expert supervisors by cooperation of the several centers. The student preparing for these positions should have a thorough course in the theory of community organization, a knowledge of the technical requirements of all phases of work and special technical training in one or more community activities. With such preparation the worker will be fitted to begin as assistant, general worker, or assistant specialized worker, and to advance to the position of general director of a community association or director of some phase of community activity or supervisor of some form of specialized activity.

The courses recommended for the first year include (1) Seminary in Community Organization; (2) Seminary in Social Education (Principles of Education applied to Community Work) and Seminary in Social Psychology, one being given the first semester and one the second; the seminary in Races and Peoples or in The Family or other seminaries noted in Programme IV, page 28.

During the second year the student is recommended to the Seminary in Social and Industrial Research; the Seminary in Municipal Government; Seminary in Labor Organization; Seminary in Social Philosophy.

III. Grace H. Dodge Foundation in Industrial Relations.

The Grace H. Dodge Foundation was established in the Spring of 1918 in order to prepare women to aid in the adjustment of industrial relations. It was the direct outcome of the work undertaken by the War Work Council of the National Board of the Young Women's Christian Association and the Carola Woerishoffer Graduate Department, by which training in industrial supervision and employment management was inaugurated. The endowment of a chair of instruction in the Carola Woerishoffer Graduate Department by Mr. John D. Rockefeller, Jr., and the plan to secure endowment for fellowships and scholarships, has permitted the continuation of this division.

The programme in Industrial Relations (see Programme V, page 29) is planned to prepare the student for positions which deal with problems relating to the human element in industry. Recognizing that the development of the individual and of the industry are inextricably bound together the courses afford a study of industrial organization and production on the one hand and of education and advancement of workers on the other.

As the department which directs the human relations of an industrial enterprise is the vantage point from which we may view the economy, both of business organization and of labour, and the distribution not only of wealth but of well-being, the student spends her first semester of practical work in a well-organized employment department of an industrial or commercial establishment in or near Philadelphia, and gives especial attention to questions of industrial organization. For the second semester she may either direct her attention to personnel work or may be placed in direct contact with the trade union movement, or may be associated with centralized employment agencies or may devote herself to factory inspection or to work with industrial groups in the community.

Preparation for all these lines of work follows practically the same programme. The work of the first year includes the seminary in Labour Organization, the seminary in Industrial Relations, a course in Statistics and a third seminary to be elected by the student with the consent of the Director of the

Department. In the second year the student may elect the advanced seminars but will devote a considerable part of her time to special labour research.

IV. Social and Industrial Research.

Every phase of social work demands investigators prepared to gather data, analyze them, make interpretations and present the findings with constructive conclusions and recommendations. Every social organization also is feeling increasingly the necessity of having on its staff experts capable of planning and maintaining systems of records and especially fitted to analyze and interpret the material acquired by the organization, not only in order to outline reports of its accomplishment, but also in order to formulate social programmes which may result in social betterment through social legislation and social education.

Federal and state departments and commissions, as well as private foundations have properly assumed the responsibility of studying the social and industrial conditions of the country, and from these boards and organizations comes the constant demand for expert statisticians, investigators, and research directors and assistants. And the workers must possess wide knowledge of social conditions, social organizations and processes for organized social betterment.

Industries are also demanding experts who may be able to determine through surveys the special needs of industrial groups or of definite plants in relation to labour supply and labour efficiency. Labour Unions are carrying on research work, calling on experts to investigate problems of production and to prepare legislation and even briefs for legal cases. Communities are seeking workers trained to make surveys through which the resources and special needs of the community may be discovered, deleterious conditions removed, and the forces of the community organized for the attainment of higher community standards.

Students wishing to devote themselves primarily to social and industrial research will find it necessary to pursue a two or three year course. Not only must they master the tech-

nique of schedule making, tabulation, interpretations, and exhibitions, but this technical training must be based on a broad knowledge of social, industrial, and economic questions. The following arrangement of studies is recommended to students: in the first year of the course special preparation in Statistics, the seminary in Social and Industrial Research, the seminary in Social Psychology and Social Philosophy, and a seminary in Social Theory; in the second year, the seminary in Advanced Statistics or Labour Organization and a second seminary in Social and Industrial Research, in which will be completed a piece of research undertaken in the seminary during the first year, and which may then become the material for the Doctor's thesis, and a third seminary selected from those suggested under Programme VI, page 30. Elections will depend upon the choice by the student of the associated and independent minors leading to the Doctor's degree.

General Statement.

The courses in Social Economy and Social Research are intended for graduate students who present a diploma from some college of acknowledged standing and no undergraduate students are admitted. *Pre-requisites.*

Students of this department must offer for admission to their graduate work a preliminary course in economics, and more advanced courses equivalent to the Bryn Mawr College major course in economics, politics, sociology, history, psychology, or philosophy, and also preliminary work in psychology or sociology.*

The courses are planned on the principle that about two-thirds of the student's time shall be given to the study of theory and the remaining one-third to practical work.

In the first year the student will probably pursue a seminary in the theory and technique applied to her chosen field, as for example: Social Case Work, or Community Organization, or Industrial Relations in which she will give 9 to 14 hours, according to preference, to practice or field work in an institution or

* Students not having had courses in psychology and sociology may be expected to supplement their preparation by taking work at a university summer school of recognized standing.

with a social agency or in a business firm chosen in relation to her selected field; she will take the seminary in theory most closely related to her special interests; unless already qualified she will take the course in statistics, and she will elect a third seminary. In addition all students attend the Journal Club. Each seminary requires about 14 hours of work each week, including hours of discussion, preparation, and conference. Full graduate work involves about 43 hours of work per week.

Practice work in each field consists of two types: (1) field work consisting of 7 or 12 hours (as may be elected by the student), 1 hour of individual conference each week, and 2 hours of seminary discussion in alternate weeks; (2) non-resident experience with social institutions, agencies, or business firms obtained during one month in December and January and during the summer following the eight months of work in Bryn Mawr College. The year's programme of the students will therefore run as follows: (1) Work at Bryn Mawr College, October 1st to December 9th, during which period at least one day a week is given to field work. (2) A Christmas practicum in which the student gives full service to a social organization or a mercantile or manufacturing establishment from December 9th to January 6th in New York, Boston, Philadelphia or elsewhere. (3) January 8th to February 1st, during which period the student will give her entire time to classes and study at Bryn Mawr College. (4) February 1st to June 1st, during which time the student will give one day a week to field practice work, with the exception of the Easter vacation. (5) The Summer practicum from June 10th to August 5th, during which time the student will give all of her time to practical work with a social organization or a mercantile or manufacturing establishment. The field work during the time of residence at the College, or during the Christmas or Summer practicum is under the careful supervision of an instructor of the Department. After one year of work in this department one-half year may be given to a practicum in residence in a social service institution, in connection with a social welfare or community organization, in a federal or state department of labour and industry, in a federal or state employment office, or in a manufacturing or mercantile establishment in Philadelphia, New York, New

England, or elsewhere, during which time the practical work and special reading and research will be supervised by the instructor in charge of the practicum and the head of the institution, department or business firm.

Students entering the Department are expected to pursue the work throughout one year. Unless the student has had undergraduate courses especially fitting her for professional social work, and experience in social work, at least two years are necessary for satisfactory preparation. A certificate will be given upon the completion of one or two years' study. One year of graduate work in the social sciences including economics, politics, sociology, history, education or in psychology or biology will be accepted toward the two-year certificate.

Graduates of Bryn Mawr College, and graduates of other colleges who shall have satisfied the Academic Council that the course of study for which they have received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or who shall have attended such additional courses of lectures as may be prescribed, may apply to the Academic Council to be enrolled as candidates for the degrees of Master of Arts or of Doctor of Philosophy; admission to the graduate school does not in itself qualify a student to become a candidate for these degrees.

Candidates for the degree of Doctor of Philosophy in Social Economy and Social Research may select the associated or independent minor from the graduate seminars and courses outlined in this announcement or other graduate seminars or courses, subject to the approval of the Graduate Committee. Candidates for this degree in other departments may elect, with the approval of the Director of the Department, these seminars for the associated or the independent minor according to the regulations of the Academic Council of Bryn Mawr College.

Any applicant expecting to become a candidate for these degrees should write in advance to the office of the Recording Dean for a Calendar of Graduate Courses and note the requirements for the degree.*

* For requirements for the Master's degree and the degree of Doctor of Philosophy see Bryn Mawr College Calendar, Graduate Courses, 1923.

The appointment Bureau of Bryn Mawr College is under the direct supervision of the Dean of the College and the Carola Woerishoffer Department cooperates with it in recommending women trained in this department for positions in social agencies and institutions and in manufacturing and mercantile establishments.

Fellowships and Scholarships.

*Resident
Graduate
Fellowships
and
Scholarships.*

The most distinguished place among graduate students is held by the fellows and graduate scholars, who must reside in the college during the academic year. Fellowships and scholarships available in the department of social economy are as follows:

The President M. Carey Thomas European Fellowship of the value of \$500 was founded in 1896 by Miss Mary Elizabeth Garrett of Baltimore and is awarded annually on the ground of excellence in scholarship to a student in any department in her first year of graduate work at Bryn Mawr College. The fellowship is intended to defray part of the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The Mary Elizabeth Garrett European Fellowship of the value of \$500 was founded in 1894 by Miss Mary Elizabeth Garrett of Baltimore and is awarded annually on the ground of excellence in scholarship to a student in any department in her second year of graduate work at Bryn Mawr College. The fellowship is intended to defray part of the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The Helene and Cecil Rubel Foundation Fellowship of the value of \$1,500 was founded in 1920 by Miss Helen Rubel, of New York City, to be awarded in each year by the Faculty of Bryn Mawr College with the approval of the donor. The fellowship may be awarded to any woman who has at any time studied in the graduate school of Bryn Mawr College long enough to have shown her ability irrespective of whether her

work was planned to lead to a degree or not. The fellowship may be held at any centre of education that may be selected by the student and approved by the Faculty as best suited to her individual needs, or may, in special cases, be used as a travelling fellowship to give opportunity for the study of conditions in which the student may be interested in different parts of the world. The fellowship shall not necessarily be offered as an aid to study for a higher degree, but may be used by the holder, with the approval of the Faculty, in whatever way may best advance the purpose she has in mind. The fellowship shall be awarded to the best student, but if she can afford to carry out her plans with her own income she shall return the amount of the fellowship to the College to be used by another student in the same year.

Two Carola Woerishoffer Memorial Fellowships in Social Economy and Social Research of the value of \$810 are awarded annually on the ground of excellence in scholarship to candidates who have completed at least one year of graduate work at some college of good standing after obtaining their first degree.

Two Grace H. Dodge Memorial Fellowships in Industrial Relations of the value of \$810 are awarded annually on the ground of excellence in scholarship to candidates who have completed at least one year of graduate work at some college of good standing after obtaining their first degrees.

A *resident Intercollegiate Community Service Association* joint fellowship was established in 1915 and is offered by the Intercollegiate Community Service Association and by some Bryn Mawr College alumnae to a Bryn Mawr College graduate who wishes to prepare herself for settlement work. The value of the fellowship is \$650, \$200 of which is given by the College to meet the tuition fee. The holder of the fellowship is required to live in the College Settlement in Philadelphia and to give her entire time to the work of the Department of Social Economy, the practicum, carried on in the Settlement under the direction of the Head Worker and the Director of the department, occupying one-third of her time. The charge for board and lodging in the Settlement will not exceed \$7 a week.

Applications may be sent either to Dr. Elizabeth Adams, 189 Lexington Avenue, New York City, or to the President of Bryn Mawr College.

Two additional joint fellowships of the value of \$450, are offered by the Intercollegiate Community Service Association in conjunction with Smith College and Wellesley College, to graduates of Smith College and Wellesley College, respectively, who wish to prepare themselves for community service. By special arrangement with the Committee on Scholarships these scholarships may be held in connection with the College Settlement of Philadelphia and Bryn Mawr College. Smith and Wellesley alumnae are referred for further information to Dr. Elizabeth Adams, 189 Lexington Avenue, New York City.

Two Carola Woerishoffer Memorial Scholarships in Social Economy, of the value of \$350 each, may be awarded to candidates next in merit to the successful candidates for the fellowships; they are open for competition to graduates of Bryn Mawr College, or of any other college of good standing.

Several Grace H. Dodge Scholarships in Social Economy in preparation for Industrial Relations, of the value of \$350 each, are open for competition to graduates of Bryn Mawr College or of any other college of good standing.

The Susan B. Anthony Memorial Research Scholarship in Social Economy and Social Research or in Politics, of the value of five hundred and fifty dollars, was founded in 1910 by the Executors of the late Susan B. Anthony, the late Dr. Anna Howard Shaw and Miss Lucy E. Anthony, in memory of Susan B. Anthony's work for women's college education. It is awarded to the candidate wishing to devote herself to studies dealing with the position of women in industry and politics whose work shows most promise of future success. The holder is required to complete for publication a study in one or the other of these subjects, and one-half the amount of the scholarship, two hundred and seventy-five dollars, will be retained by the college until the above study, approved by the Department and in complete form for publication, is filed in the President's office.

The Robert G. Valentine Memorial Scholarship in Social Economy and Social Research* of the value of \$400 offered by Mrs. Frank W. Hallowell of Chestnut Hill, Massachusetts, to be awarded by the President and Faculty of Bryn Mawr College on the recommendation of the Director of the Carola Woerishoffer Department of Social Economy and Social Research to a candidate approved by the donor. It is open to graduates of Bryn Mawr College or of any other college of good standing.

Opportunity is offered by the College Settlement of Philadelphia for two graduate students to reside at the settlement, paying a minimum rate of board, to take at least six hours of practice work at the settlement, and to pursue courses in the Carola Woerishoffer Graduate Department.

Nine graduate scholarships for foreign women of the value of \$720 each are available for distribution to European women students. In general three will be awarded to British and three to French women. They are open for competition to women whose academic work has reached a standard equivalent to that denoted by the Bachelor's degree of an American college or university of acknowledged standing. Renewal of these scholarships for a second year will not be granted except in very exceptional cases.

Holders of these scholarships are required to be in continuous residence at the college and to follow regular approved courses of study. These scholarships cover only the fees for board, residence, and tuition at Bryn Mawr College for one academic year. The scholars are not permitted to accept any paid position except as arranged by the College. Holders of the scholarships must meet their own travelling expenses. A furnished single room in the graduate wing of one of the halls of residence is assigned to each scholar, but this is not available in the Christmas and Easter vacations when scholars who remain at the college have to pay the expenses of board and residence.*

* Applications for the scholarships for foreign women should be accompanied by full particulars of the candidate's academic work, by diplomas or certificates, and by letters of recommendation from professors, and should be addressed to the office of the Recording Dean, Bryn Mawr College, Bryn Mawr, Pennsylvania, U. S. A., if possible by May the first, or in the case of French students they may be addressed to M. Petit Dutailis, Office Nationale des Universités et Ecoles Françaises, 96 Boulevard Raspail, Paris.

The fellowships and scholarships are intended as an honour, and are awarded in recognition of previous attainments; generally speaking, they will be awarded to the candidates that have studied longest or to those whose work gives most promise of future success. All fellows may study for the degree of Doctor of Philosophy, the fellowship being counted, for this purpose, as equivalent to the degree of Bachelor of Arts. Fellows that continue their studies at the college after the expiration of the fellowship, may, by a vote of the directors, receive the rank of Fellows by Courtesy.

*Duties of
Resident
Fellows.*

Fellows are expected to attend all college functions, including commencement exercises, to wear academic dress, to assist in the conduct of examinations, and to give about an hour a week to the care of special libraries in the halls of residence and in the seminaries, but no such service may be required of them except by a written request from the president's office; they are not permitted while holding the fellowship to teach, or to undertake any other duties in addition to their college work. They are expected to uphold the college standards of scholarship and conduct and to give loyal support to the Students' Association for Self-Government. They are required to reside in the college and are assigned rooms by the Secretary of the College. They are charged the usual fee of seven hundred and forty dollars for tuition, board, room-rent, laboratory and certificate fees, and infirmary care.

The holder of a fellowship is expected to devote at least one-half her time to the department in which the fellowship is awarded, and to show by the presentation of a thesis or in some other manner that her studies have not been without result.

*Duties of
Resident
Scholars.*

Scholars are expected to reside in the college, to attend all college functions, including commencement exercises, to wear academic dress and to assist in the conduct of examinations. It is understood that they will uphold the college standards of scholarship and conduct and give loyal support to the Students' Association for Self-Government.

*Applications
for Resident
Fellowships
and
Scholarships.*

Application for resident fellowships and scholarships should be made to the President of the College on a form obtained from the President's office, as early as possible, and not later than the first of April preceding the academic year for which the fellowship or scholarship is desired. A definite answer will be given within two weeks from the latest date set for receiving applications. Any original papers, printed or in manuscript, which have been prepared by the applicant and sent in support of her application will be returned when stamps for that

purpose are enclosed, or specific directions for return by express are given. Letters or testimonials will be filed for reference.

EXPENSES.

For graduate students attending six or more hours a week of lectures and for fellows and graduate scholars the tuition fee is two hundred dollars a year, payable half-yearly in advance. For other graduate students who do not wish to devote all their time to graduate work the fees are as follows, payable in advance: for one hour a week of lectures, eighteen dollars a semester; for two hours a week of lectures, thirty-six dollars a semester; for three hours a week of lectures, forty-eight dollars a semester; and for four or five hours* a week of lectures, sixty-five dollars a semester.† This arrangement is made especially for non-resident graduate students, but those who wish to take five hours a week of lectures or less may live in the college halls on the understanding that they must give up their rooms if needed for students who are taking the full amount of graduate work and paying the regular tuition fee. The tuition fee for the semester becomes due as soon as the student is registered in the college office. No reduction of this fee can be made on account of absence, dismissal during the currency of the semester, term, or year covered by the fee in question, or for any other reason whatsoever.

*Tuition for
Graduate
Students.*

All graduate students, including Fellows and Scholars, taking courses in the Department of Social Economy and Social Research are charged a laboratory fee of \$10 a semester, and may also be required to provide themselves with two 50-trip tickets between Bryn Mawr and Philadelphia costing \$9.18 each, and to meet their travelling and incidental expenses while working in the field during the semester and vacations. An allowance not exceeding fifty dollars will be made to each Fellow and Scholar towards these expenses. The fee for the certificate is \$10, and all Fellows and Scholars are expected to complete work for a certificate and are charged the \$10 certificate fee.

*Laboratory
Fees.*

Residence in the college buildings is optional except for holders of resident fellowships and scholarships. In each hall of residence, except Merion Hall, a special wing or corridor is reserved for graduate students, and in order to secure entire quiet no undergraduate students are permitted to

*Residence for
Graduate
Students.*

* The fees charged are reckoned on the basis of the actual hours of conference or lecture, irrespective of the number of undergraduate hours to which the course is regarded as equivalent.

In counting the number of hours for which a graduate student is registered the following special arrangements are made in regard to laboratory courses: payment for a one-hour lecture course in a scientific department entitles the student to four hours of laboratory work in addition with no extra charge except the laboratory fee. Students registered for laboratory work only, are charged the following tuition fee: for each two and one-half hours of undergraduate laboratory course and for each five hours of graduate laboratory course the same fee as for a one-hour lecture course. The laboratory fee is charged in addition to the charge for tuition.

† Doctors of Philosophy of Bryn Mawr College may attend lectures or work in the laboratories without payment of any fee except for material used in the laboratory.

engage rooms in the graduate wings. The expense of board and residence in the graduate wings of the college halls is five hundred dollars. Of this amount four hundred dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance. Room-rent includes all expenses of furnishing, service, heating, and light.*

A deposit of fifteen dollars is required from each graduate student, fellow, or scholar who desires to reserve a room in a hall of residence. The amount of this deposit will be deducted from the rent if the room is occupied by the student; it will be refunded if the student gives formal notice to the Secretary of the College before the fifteenth of July preceding the academic year for which the application is made that she wishes to withdraw her application. If for any reason whatever the change or withdrawal be made later than July fifteenth, the deposit will be forfeited to the College.

*Summary of
Expenses for
Graduate
Students.*

For graduate students the fees are as follows:

Tuition for the semester, payable on registration:	
For one hour a week of lectures	\$18.00
For two hours a week of lectures	36.00
For three hours a week of lectures	48.00
For four or five hours a week of lectures	65.00
For six or more hours a week of lectures	100.00
Room-rent for the academic year, payable on registration	100.00
Board for the semester, payable on registration	200.00

Total expenses for the academic year:

Tuition fee, six or more hours a week of lectures	200.00
Room-rent in the dormitories	100.00
Board in the dormitories	400.00
Infirmity fee	10.00
Laboratory fee	20.00
Certificate fee	10.00

Total for tuition, residence, and infirmity care for the academic year.. \$740.00

If accommodation for graduate students can not be secured in the dormitories, the College will endeavor to arrange for board and room at about the same rate.

Students whose fees are not paid by November first in the first semester or by March first in the second semester are not permitted to continue in residence or in attendance on their classes.

* Rugs and towels must be furnished by the students themselves. Graduate students will, upon request, be supplied with rugs.

PROGRAMME I SOCIAL CASE WORK IN FAMILY AND CHILD WELFARE AGENCIES¹

COLLEGE COURSES RECOMMENDED AS PREPARING DIRECTLY FOR POSITIONS IN THIS FIELD			
Elementary Subjects: Required courses and major group at Bryn Mawr College	Graduate Courses		Organized Agencies conducting work in this field
	Advanced Undergraduate Courses	Type of Positions open under listed agencies	
Economics.	Current Social and Industrial Problems. (American Economic and Social Prob- lems.) Elements of Statistics and Social Investiga- tion. Sociology.	Seminary in Social Case Work, including field work. Seminaries: (1) Races and Peoples, (2) Family as a Social Institution. Seminary in Social and Industrial Research.	Family Case Workers. School Visitors or Counselors.
Politics.	Present Political Problems.	Seminaries: Executive. District. Special Committees.	Charity Organization Societies. Red Cross. Public Schools.
Psychology.	Psychology: Social or Experimental.	Investigators.	State, County and Municipal Welfare. Federal Children's Bureau. Mother's Pension Boards.
Biology.	<i>Hygiene, Public and Individual.</i> Hereditary and Eugenics. (Theoretical Bi- ology.)	Seminary: Temperament and Character and their Instinctive and Emotional Foundation. Seminary: Mental Tests. Social Education.	Boards of Children's Guardians. Children's Protective Agencies.
Philosophy.	Elementary Ethics.	Social Hygiene.	
History.		Seminary: Social and Political Philosophy.	Placement Agents and Supervisors.
English Composition. English Dictation.			

¹ Courses printed in italics are not as yet offered in Bryn Mawr College, but are suggested as desirable courses for preparation in Social Economy. Titles of courses in parentheses indicate titles used in Bryn Mawr College.

PROGRAMME II
SOCIAL CASE WORK IN AGENCIES FOR GUARDIANSHIP AND CUSTODY¹

COLLEGE COURSES RECOMMENDED AS PREPARING DIRECTLY FOR POSITIONS IN THIS FIELD				Type of Positions open under listed agencies	Organized Agencies conducting work in this field
Elementary Subjects: Required courses and major group at Bryn Mawr College	Advanced Undergraduate Courses	Graduate Courses			
Economics.	Current Social and Industrial Problems. (American Economic and Social Problems.) Elements of Statistics and Social Investigation. Sociology.	Seminary: Social Case Work, including field work. Seminaries: (1) Races and Peoples, (2) Family as a Social Institution.		Administrators. Superintendents.	Care of Minors: Probation Work. Juvenile Courts. Girls' Courts. Boys' Courts. Juvenile Protective Associations.
Politics.	Elements of Private Law.	Criminal Law. Criminal Procedure. Seminary: Municipal Government and Problems. Seminary: Mental Tests. Seminary: Abnormal Psychology. (Psychological Seminary.) Social Hygiene. Seminary: Genetics.		Investigators: Placing out Representatives. Field Workers. Probation Officers. Parole Officers. Advisers. Visitors.	Care of Adults: Misdemeanants Courts. Probation Work. Prison Administration. Prison Reform. Prisoners' Aid Society. Women's Prison Association Women's Reformatories.
Psychology.	Experimental Psychology.				Care of Women: Women's Courts. Domestic Relations Court. Care of Delinquents and Feeble-minded.
Biology.	Heredity and Eugenics. (Theoretical Biology.)			Police Women.	Travelers' Aid Society for Women and Girls. Legal Aid Societies.
Philosophy.					
History.	Elementary Ethics.				
English Composition. English Dictation.					

¹ Courses printed in italics are not as yet offered in Bryn Mawr College, but are suggested as desirable courses for preparation in Social Economy. Titles of courses in parentheses indicate titles used in Bryn Mawr College.

PROGRAMME III

MEDICAL AND PSYCHIATRIC SOCIAL SERVICE¹

(At the present time specific preparation in this field is not offered at Bryn Mawr College.)

COLLEGE COURSES RECOMMENDED AS PREPARING DIRECTLY FOR POSITIONS IN THIS FIELD

Elementary Subjects: Required courses and major group at Bryn Mawr College	Advanced Undergraduate Courses	Graduate Courses	Type of Positions open under listed agencies	Organized Agencies conducting work in this field
Economics.	Current Social and Industrial Problems. (American Economic and Social Prob- lems.) Elements of Statistics and Social Investiga- tion. Sociology.	Seminary: Social Case Work, including field work. Seminary in Social and Industrial Research.	Case Workers. Administrators. Directors of Exhibits, Surveys and Invest- igations. Investigators.	Public Health Departments: City Bureau of Chemistry. City Bureau of Bacteriology. Market Inspection. Street Inspection.
Politics.	Social Psychology.	Seminary: Municipal Government and Problems.	Recorders.	Hospita ¹ Social Service.
Psychology.	Applied Psychology: Mental Tests.	Seminary: Temperament and Character and their Instinctive and Emotional Foundations. Seminary: Intelligence Tests.	Inspectors: Health. Sanitation. Milk and Food.	Industrial Hygiene in Factories. Housing Associations: National. Local.
Biology.	Chemistry. Biology. Physiology. <i>Hygiene, Personal and Public.</i> Heridity and Eugenics. (Theoretical Bi- ology). <i>Bacteriology.</i> <i>Anatomy.</i> Biochemistry.	Social Hygiene. <i>Education in Public Health.</i> <i>Industrial Hygiene.</i> <i>Didactics.</i> Sanitation.	Civic. Educational Workers.	Sanitary Survey. Bureaus of Sanitation. Anti-Tuberculosis Work Milk and Baby Hygiene: Milk Inspection. Food Inspection.
Philosophy				Social Hygiene Agencies.
History. English Composition. English Diction.				Sex Hygiene Agencies. School Medical Inspection De- partments.

¹ Courses printed in italics are not as yet offered in Bryn Mawr College, but are suggested as desirable courses for preparation in Social Economy. Titles of courses in parentheses indicate titles used in Bryn Mawr College. Besides courses here suggested either a medical training or a nurse's training is essential for many positions in Public Health Work.

PROGRAMME IV COMMUNITY WORK¹

COLLEGE COURSES RECOMMENDED AS PREPARING DIRECTLY FOR POSITIONS IN THIS FIELD

Elementary Subjects: Required courses and major group at Bryn Mawr College		Graduate Courses	Type of Positions open under listed agencies	Organized Agencies conducting work in this field
Economics.	Current Social and Industrial Problems. (American Economic and Social Prob- lems). Elements of Statistics and Social Investiga- tion. Sociology.	Seminary: Community Organization, including field work. Seminary in Social Research: Community Surveys. Seminary in Social Theory: (1) Races and Peoples, (2) Family as a Social Institution. Seminary: Labour Organization. <i>Community Art</i> .	Administrators. Directors. Head Workers. Leaders. Secretaries. Supervisors.	Public Schools. Civic and Social Centres. Community Centres. Community Service Associa- tions. Neighbourhood Houses (Settlements). Recreation Centres. Playgrounds. Fathers' and Mothers' Clubs. Parent-Teachers' Associations. Labour Colleges. Girls' and Boys' Clubs. Work with Immigrants. National Playgrounds Associa- tion.
Politics.	Present Political Problems.	Seminary: Municipal Government and Problems.	Teachers and Execu- tive Assistants.	Young Women's Christian Association.
Psychology.	Social Psychology. Educational Psychology.	Seminary: Principles of Social Psychology and their Application to Commerce, Industry, and Government. Social Psychology. Seminary: Social Education.	Publicity Workers. Welfare Workers.	National League of Girls Clubs. Extension Lectures. Press Service Positions. Social Exhibits: Child Welfare. Baby Saving. Housing.
Philosophy.	Elementary Ethics.	Seminary: Social and Political Philosophy.		
Biology.	<i>Hygiene, Personal and Public.</i>	Physical Recreation.		
History.	Literature. Technique of the Drama.			

¹ Courses printed in italics are not as yet offered in Bryn Mawr College, but are suggested as desirable courses for preparation in Social Economy. Titles of courses in parentheses indicate titles used in Bryn Mawr College.

PROGRAMME V INDUSTRIAL RELATIONS¹

29

COLLEGE COURSES RECOMMENDED AS PREPARING DIRECTLY FOR POSITIONS IN THIS FIELD			
Elementary Subjects: Required courses and major group at Bryn Mawr College	Advanced Undergraduate Courses	Graduate Courses	Type of Positions open under listed agencies
Economics.	History of Economic Thought.	Seminary: Industrial Relations, involving field work.	Factory Inspectors.
	Current Social and Industrial Problems. (American Social and Economic Problems.)	Seminary: Social and Industrial Research.	Employment Managers.
	Elements of Statistics and Social Investigation.	Seminary: Advanced Statistics.	Investigators.
	Sociology	Seminaries: (1) Labour Organization, (2) Research in Labour Problems, (3) Research in Personnel Problems.	Trade Union Organizers.
	<i>Labour Movement.</i>		Executive Secretaries.
Politics.		Seminaries: (1) Municipal Government, (2) Constitutional Questions involved in present social and economic questions.	Interviewers.
History.	Economic and Industrial History.	Seminary: Applied Psychology: Mental Tests.	Placement Secretaries.
Psychology.	Social Psychology. Experimental Psychology.		Service and Educational Directors.
	Vocational Psychology. (Applied Psychology).		Vocational Counsellors.
Philosophy.	Elementary Ethics.	Seminary: Social Philosophy.	Industrial Instructors.
Biology.	<i>Hygiene, Personal and Public.</i>	<i>Industrial Hygiene.</i>	Teachers.
			Industrial Commissions and State Boards of Labour and Industry.
			Industrial Plants and Business Firms.
			Health Insurance Company.
			Women's Trade Union League.
			Federal Employment Service.
			Placement Bureaus.
			Professional Bureaus.
			Training Departments in Corporation and Trade Schools
			Labour Colleges.

¹ Courses printed in italics are not as yet offered in Bryn Mawr College, but are suggested as desirable courses for preparation in Social Economy. Titles of courses in parentheses indicate titles used in Bryn Mawr College.

PROGRAMME VI
SOCIAL AND INDUSTRIAL RESEARCH¹

COLLEGE COURSES RECOMMENDED AS PREPARING DIRECTLY FOR POSITIONS IN
THIS FIELD

Elementary Subjects: Required courses and major group at Bryn Mawr College	Advanced Undergraduate Courses	Graduate Courses	Type of Positions open under listed agencies	Organized Agencies conducting work in this field
Economics.	History of Economic Thought. Elements of Statistics and Social Investiga- tion. Sociology. <i>Labour Movement.</i>	Seminary: Social and Industrial Research and Interpretation of Social and Industrial Data. Advanced Statistics. Seminaries: (1) Races and Peoples, (2) Family as a Social Institution. Seminaries in Economics: (1) Distribution; (2) Value. Seminaries: (1) Labour Organization, (2) Re- search in Labour Problems.	Organizer of Material for Proposed Legis- lation. Enumerators. Investigators. Statisticians. Supervisors of Research. Directors of Re- search. Reporters. Writers. Publicity Workers. Propagandist Work- ers.	Legislative Reference Libraries of Various States. Federal Departments of Labour: Bureau of Statistics. Children's Bureau. Women's Bureau. State Boards of Labour and Industry. Departments and Bureaus of Investigation: Federal. State. Municipal. Trades Unions. Industries. Consumers League. American Labour Legislation Association. Child Labour Committees. Newspapers. Magazines. Bureaus: Municipal Research. Social Research. Institute for Government Research. Surveys: City. Community. Rural. Trade Union.
Politics.	Present Political Problems.	Seminary: Constitutional questions involved in present Economic and Social Problems.		
History.	History of Modern Europe. History of England.	Seminary: Temperament and Character and their Instinctive and Emotional Foundation.		
Psychology.	Social Psychology.	Seminary: Social Philosophy.		
Philosophy.	Elementary Ethics. <i>Exposition.</i>	Technical and Advanced Criticism. Mathematics.		
Biology. English Composition. English Diction.				

¹ Courses printed in italics are not as yet offered in Bryn Mawr College, but are suggested as desirable courses for preparation in Social Economy. Titles of courses in parentheses indicate titles used in Bryn Mawr College.

Courses Offered in Bryn Mawr College.

The instruction in this department is under the direction of Dr. Susan Myra Kingsbury, Carola Woerishoffer Professor of Social Economy and Director of the Carola Woerishoffer Graduate Department of Social Economy and Social Research; Dr. Neva Ruth Deardorff, Associate Professor in Social Economy; Miss Henrietta S. Additon, non-resident lecturer in Social Economy; Mrs. Eva Whiting White, non-resident lecturer in Social Economy; Miss Helen Rankin Jeter, Instructor in Social Economy; Dr. Alice Hamilton, Special Lecturer in Industrial Poisons; Dr. —————, Social Hygiene. The departments of Economics and Politics, Psychology, Education, and Philosophy offer seminars in courses strongly recommended to students of Social Economy, under the direction of Dr. Marion Parris Smith, Professor of Economics; Dr. Charles Ghequiere Fenwick, Professor of Political Science; Dr. Theodore de Leo de Laguna, Professor of Philosophy; Dr. James H. Leuba, Professor of Psychology; Dr. Clarence Errol Ferree, Professor of Experimental Psychology; Dr. Gertrude Rand, Associate in Experimental and Applied Psychology; Dr. Matilde Castro, Professor of Education; Dr. Ada Hart Arlitt, Associate in Educational Psychology; Dr. Howard James Savage, Associate Professor of English and Director of the Work in English Composition; Dr. David Hilt Tennent, Professor of Biology; and Mr. Samuel Arthur King, Non-Resident Lecturer in English Diction.

Graduate Courses.

The following graduate seminars and courses may be elected subject to the approval of the Director of the Department by students working for the first and second year certificates as well as by candidates for the degree of Master of Arts or of Doctor of Philosophy in Social Economy and Social Research, or may be offered as the associated or independent minor with the approval of the Director of the Department when the major is taken in certain other departments according to the regulations of the Academic Council.

Dr. Kingsbury offers in 1922-23 and again in 1923-24 the following graduate seminary:

Seminary in Social and Industrial Research.

Three hours a week throughout the year.

Research in Social Economy involves two distinct types of studies. First, that which uses manuscripts or printed documents as sources of information, and second, that which secures data concerning human relations and social conditions from individuals, groups, organizations, or institutions. Both phases of social research necessitate an ability to discover cause and effect, to see the relations and interpret the interaction of social forces, to recognize and evaluate the factors conditioning or controlling social situations, and to establish facts concerning social phenomena.

Consequently, training in the acquisition, arrangement, analysis, and interpretation of data is essential for students undertaking either phase of social research. As other seminars in the Department and allied departments deal primarily with the first type of studies, this seminary is devoted exclusively to the second type. A subject is selected and arrangements made which will require students to secure social data by work in the field. The material is then organized, analyzed, and interpreted by the members of the seminary. In this way, training is given in filling out schedules, classifying data, drawing up tables, analyzing results, and interpreting material as a whole. The group of students may cooperate to produce a study which it is hoped will prove a contribution to our knowledge of social or industrial conditions.

In 1922-23 the seminary is conducting a study of the ambitions, aims and interests of young women in industry.

In 1923-24 the seminary will be selected from the following aspects of Social and Industrial Problems: (1) social relations, (2) standards of living, including income and wages, (3) the relation of health and industry, (4) industrial relations of women and minors

As the chief subjects of investigation will vary from year to year, as noted above it will be possible for students to follow the work of the seminary for two consecutive years.

Dr. Deardorff offers in 1922-23 and again in 1923-24 the following graduate seminary:

Seminary in Races and Peoples.

Two hours a week throughout the year.

A study is made of the definitions of race, of theories regarding the origin and evolution of races, and of the sociological characterization of peoples. This is followed by studies in special problems of immigration and assimilation in the United States.

Dr. Deardorff offers in 1922-23 and again in 1923-24 the following graduate seminary:

Seminary in the Family as a Social Institution.

Two hours a week throughout the year.

A study is made of theories regarding the origin and evolution of the family as a social institution; and of the forms of the family and marriage customs as they have been scientifically observed among groups of nature peoples. Modern theories as to the future of the family and its relation to the other social institutions are also covered.

Miss Jeter offers in each year the following graduate seminars:

Seminary in Labour Organization.

Two hours a week throughout the year.

Some elementary study of labour problems is a prerequisite to this seminary. The seminary deals with the history, theory, methods, structure, and legal status of trade union organization in the United States. Methods of collective bargaining in particular industries

are studied in some detail. This is followed by discussion of proposals for the improvement of industrial relations and the movement toward a share in the control of industry.

Students are expected to attend meetings of the Women's Trade Union League, the Philadelphia Central Labour Union, and meetings or lectures of direct importance to the labour movement.

Seminary in Research in Labour Problems.

Two hours a week throughout the year.

This course is open ordinarily only to second year students. It must be preceded by the seminary in Labour Organization or its equivalent. The general field of research is that covered by the seminary in Labour Organization. The special subjects treated are determined by the particular interests of the students. Material collected by the students is discussed in conference and presented in reports.

Dr. Castro offers in each year the following graduate seminaries:

Seminary in Social Education.

Two hours a week during the first semester.

The Essentials of Educational Theory and Practice for Community Workers are studied in this seminary. The subjects dealt with serve as an introduction to the educational principles involved in the intelligent direction of such activities as community centers, settlement classes, clubs, etc. Among the subjects studied will be the characteristic mental and physical development of childhood, adolescence, youth, and maturity. This study will be used as a basis for the selection of the educational materials and methods appropriate to the needs and capacities of different groups of varying ages and differing educational opportunities.

Seminary in Educational Methods and Measurements.

Two hours a week throughout the year.

The seminary takes up the principles of educational methods and teaching technique. The latter part of the work deals with the theory and practice of educational measurements. The special subjects considered vary from year to year.

Dr. Leuba offers in each year the following graduate seminaries:

Psychological Seminary.

Two hours a week throughout the year.

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: the psychology of mental and moral deficiencies with reference to the social problems they present, including case studies and research work in problems of delinquency; instinct, feeling and emotion; the psychology of religion and of ethics; social psychology; abnormal psychology (mental disorders, the Freudian psychology, etc.).

Seminary in Social Psychology.

Two hours a week during the second semester.

In 1922-23 and again in 1924-25 the principles of social psychology and their applications to social problems are the subject of the seminary.

In 1923-24 and again in 1925-26 abnormal psychology, chiefly mental and moral deficiency, and its social implications: or temperament and character and their instinctive and emotional foundation will be studied.

This seminary, together with the seminary in Social Philosophy, or in Social Education, given in the first semester, may be counted as a seminary by students in the Department of Social Economy and Social Research.

Dr. Theodore de Laguna offers in each year the following graduate seminary:

Seminary in Social and Political Philosophy.

Two hours a week during the first semester.

The topics chosen for discussion vary from year to year. Among them will be such subjects as: the general nature of law; sovereignty and allegiance; the conception of personal liberty; property; punishment; marriage and the family; moral education. This seminary is open to students who have pursued an elementary course in philosophy. It may be elected separately or may be combined with the seminary in Social Psychology given in the second semester to count as a seminary in the Department of Social Economy and Social Research.

Mrs. White offers in each year the following graduate seminary:

Seminary in Community Organization and Administration.

Two hours a week throughout the year.

Laboratory and Field Work.

Twelve hours a week throughout the year.

In the first semester the following subjects are covered:

- (1) A study of the development of the community, of its physical aspects and its political and social organization.
- (2) Analysis of Primary and Universal Groups including the relation of the individual to these groups.
- (3) Survey of the Field of Social Work. The place of Community Organization in the progress of society.
- (4) Major industrial, social, and political problems and the application of the findings of sociology, economics, psychology, political science to the solving of those problems.
- (5) Principles of Case Work to be used in Community Organization.

In the second semester the work includes:

- (1) First steps in organizing a community, including methods of approach to strategic groups and to strategic individuals. Formation of a representative governing body. The community survey. Method of deciding on a programme of action.
- (2) Questions of Management. Committee organization. Staff organization. Budget making and accounting. Records. Office systems. Selection, training, and supervision of volunteers. The community building; its equipment and operation.
- (3) Community Finance and Publicity. The Community Chest. The growth of local federations of social and civic agencies.
- (4) Group Organization. The club, class, or society. Age groupings. Special interest groups. Methods of gauging the personal and social needs of the individual through group action. Educational, civic, social, recreational programmes for groups.
- (5) Units of Community Organization: city or town, neighborhood, block.
- (6) Community Cooperation with city or town governments, with public health agencies, with schools, with social and philanthropic agencies, with civic bodies and with churches.
- (7) Public and private forms of Community Organization. Use of schoolbuildings and of libraries as community centers. The development of public recreation systems, playgrounds and parks. Extension work of national departments. The program of the Red Cross, of Community Service, and the Social Settlement. The local improvement society and the Community Council.

The course also takes up the question of legislative procedure, town planning, housing, the cooperative movement, and citizenship programs.

The Practicum in Community Organization and Administration combines practical work in social and community education with reports and discussions. It must be preceded or accompanied by the seminary in Social Education—Essentials of Educational Theory and Practice for Social Workers—or its equivalent. In addition to reports and conferences, seven or twelve hours a week, according to election, are devoted to active work in a social

center or settlement by which the student gains vital illustration of the principles and organization of community work.

The practicum is under the direction of Dr. Kingsbury and Dr. Deardorff and is so arranged as to give to the student training in the following activities:

(1) Direction and teaching of clubs and classes as observers, visitors, helpers and assistants.

(2) Regular daily management as assistants and later as directors.

(3) General administrative assistance in office work, including record-keeping, in library work, in activities to secure publicity, in preparation of newspaper articles, reports, posters, exhibits, parades, dramatics, plays, festivals, demonstrations, concerts, and lectures, in public speaking and writing, and in conducting financial campaigns and special studies.

(4) Teaching in night schools of classes in civics and elementary subjects, and conducting games, dramatics, gymnastics, playgrounds and kindergarten activities.

(5) Co-operation with civic movements, community campaigns and emergency activities, school programmes and publicity.

Training in the theory and supervision of practice in Physical Education may accompany this seminary.

Two or three months of non-resident practice in social centers and settlements, playgrounds or fresh-air camps may be arranged for the summer following the resident work at Bryn Mawr.

The fields from which the subject for the practicum may be chosen are community, civic and social centers, settlements, playgrounds, and health and recreation centers, and have included the Bryn Mawr Community Center, The Philadelphia College Settlement, The Young Women's Christian Association, and work in smaller neighboring communities.

The theory upon which community work is based and the technique used in its conduct are presented in this course to accompany the field practice. Experience of the student in the field is constantly used to exemplify the principles formulated.

The following graduate courses in statistics will be offered when required:

Advanced Statistics.

Two hours a week throughout the year.

This course attempts to study intensively the subjects of correlation and causation, or the functional relationships between series of facts. The main considerations of the course are the method of least squares, the theory of linear correlation, skew distribution, partial correlation, and the theory of contingency.

The course must be preceded by the course in Elements of Statistics or its equivalent, and a foundation in mathematics including the Calculus is desirable to facilitate ease in comprehension.

If accompanied by the Special Research in Statistics the course becomes equivalent to a seminary.

Special Research in Statistics.

Seven hours of laboratory work a week throughout the year.

This course, including laboratory analysis and reports, is offered in each year in connection with the course in Advanced Statistics, and the two courses taken together are equivalent to a seminary.

Miss Additon offers in each year the following graduate seminary:

Seminary in Social Case Work.

Two hours a week throughout the year.

Laboratory and Field Work.

Twelve hours a week throughout the year.

This seminary aims toward the preparation of the student to handle the individual case problems arising out of dependency, defect and delinquency. This involves a study of

the method of investigation of the individual case, the objectives and methods of treatment, the agencies, both public and private, for giving expert services, special forms of care and assistance and legal custody. Studies are made of the adaptation of fundamental principles of investigation and treatment to particular forms of social maladjustment and physical and mental defect. The student is instructed in the theories of social responsibility with reference to these classes, of preventive measures already in effect, and of opportunities to extend preventive measures.

The Practicum in Social Case Work consists of field work carried on 7 to 12 hours per week according to election with such agencies as the following: The Philadelphia Society for Organizing Charities; The Home Service Department of the Red Cross; The Children's Bureau, an agency which investigates all complaints concerning children; The Children's Aid Society, a child-placing agency; The White-Williams Foundation, and Hospital Social Service Departments.

The field work with these agencies is under the supervision of Miss Additon and of the director of the particular agency or department. In addition to the regular practice work, students are taken on observation trips to courts, almshouses, orphanages, asylums, institutions for the feeble-minded, the blind, the crippled, hospitals, etc.

Miss Jeter offers each year the following seminars:

Seminary in Industrial Relations.

Three hours a week throughout the year.

Laboratory and Field Work.

Twelve hours a week throughout the year.

This seminary deals with the general problems of modern industrial organization, including factory management, marketing, insurance and the price system. Special attention is given to the technique of Personnel Administration. Among the subjects discussed are the following: The functions of the Personnel manager; factory lighting, ventilation, and sanitation; prevention of accidents and industrial disease; methods of selection and placement of employees; training and education; joint relationships of employer and employees; forms, records, and reports; investigations with regard to labor turnover, absenteeism, tardiness, fatigue, safety, and job analysis.

Field work during residence is accompanied by a two hour discussion period every two weeks on the practical problems confronting the student, and by observation visits to industrial establishments in the vicinity the alternate weeks.

The seminary must be accompanied by the seminary in Labour Organization.

Seminary in Research in Personnel Problems.

Two hours a week throughout the year.

This seminary must be preceded by the seminary in Industrial Organization and Personnel Administration and will be open only to second year students. Subjects of research and methods of work will vary from time to time with the needs and interests of the students.

The following courses are open to graduate students by special arrangement:

Criminal Law.

Two hours a week throughout the year.

By special arrangement with the Law School of the University of Pennsylvania students in this department may pursue the course in Criminal Law offered by Dean Mikell at the Law School, Thirty-fourth and Chestnut Streets, Philadelphia.

This course may accompany the course in Social Treatment of Delinquents and Defectives (Criminology).

Criminal Procedure.*Two hours a week throughout the year.*

By special arrangement with the Law School of the University of Pennsylvania students in this department may pursue the course in Criminal Procedure offered by Dean Mikell at the Law School, Thirty-fourth and Chestnut Streets, Philadelphia.

This course must be preceded by the course in Criminal Law.

Mr. King offers in each year the following course in English Diction for graduate students:

General Course in Articulation and Voice Production.*One half hour a week throughout the year.*

The object of this course is to train speakers in accurate and distinct articulation and to eliminate the faults of bad production. Speech is resolved into its phonetic elements which are made the basis of practical exercises so arranged as to be progressive in their difficulties.

In each year the following course of lectures is open to students working in the department:

Social Hygiene.*One-half hour a week during the second semester.*

Dr. Kingsbury, Dr. Deardorff, Miss Additon and Miss Jeter conduct in each year the Social Economy Journal Club.

Social Economy Journal Club.*Two hours once a fortnight throughout the year.*

Current books and articles are reviewed, recent reports, surveys and investigations are criticized, and the results of important research are presented for discussion.

Dr. Marion Parris Smith offers in each year the following graduate seminary:

Economic Seminary.*Two hours a week throughout the year.*

The object of the Seminary is to train students in the methods of research, and in the organization of material. In short reports and long papers members of the seminary are given practice in using original sources and in a critical study of secondary sources. The seminary discussion is supplemented by occasional lectures. Each student receives individual direction, and graduate studies are specially designed to prepare advanced students for Government Civil Service Examinations in the Department of State, Department of Commerce, and the Department of Labor, as well as for higher degrees.

In 1922-23 and again in 1925-26 the Economic History of the United States is studied with special reference to Monetary and Banking Systems, Tariff and Foreign Trade, the Rise of the Factory System, the Development of Transportation.

In 1923-24, Present Problems in Distribution: The subject of this seminary is the distribution of wealth in the modern industrial state. This includes such special topics as a study of the statistics of Incomes, Wage Problems, Limitation of Profits and Profit-sharing, Income and Excess Profit Taxation, Land Reforms, Projects for Controlling Monopolies.

In 1924-25 the Industrial Revolution in Great Britain and America will be the subject of the seminary.

Dr. Fenwick offers in each year the following graduate seminary:

Political Seminary.*Three hours a week throughout the year.*

The methods of instruction in the seminary are designed to guide advanced students in special research work along the lines indicated by the titles of the courses. Some lectures are given but the main attention is devoted to the presentation and criticism of the results of studies made by the students themselves.

In 1922-23 the Constitutional Law of the United States is the subject of the seminary. The decisions of the Supreme Court of the United States form the basis of the work. Special stress is laid upon the relations between the federal and state governments, interstate commerce, and due process of law under the Fourteenth Amendment. Students are required to present brief reports upon assigned cases in the first semester and to prepare a longer report upon a group of cases in the second semester.

In 1923-24 Comparative Constitutional Government is the subject of the seminary. The object is to compare and contrast the several forms of constitutional government represented by the United States, Great Britain, France and Germany, together with a study of the new constitutional governments of Russia, Czecho-Slovakia, and China, if proper material be available. Among the questions raised are the location of sovereign power, the authority of the constitution, the restrictions placed by the constitution upon the governing bodies, and the protection afforded by the constitution to the rights of individuals and minorities.

In 1924-25 Constitutional Questions involved in Modern Economic and Social Problems are the subject of the seminary. The chief economic and social problems of the United States are studied from the point of view of the restrictions placed by the Constitution upon the legislative powers of Congress and of the several states dealing with those subjects. As an introduction the various theories relating to the proper functions of the state are discussed.

The following seminary is offered in each year:

Seminary in Municipal Government. *Three hours a week throughout the year.*

This seminary deals with the structure and functions of modern municipal government. The legal relation of the city to the state, city charters, various types of city government, including the commission and city manager forms, are considered in the early part of the course. A study of modern municipal administration follows including municipal finance and budgetary problems, city planning, housing, public health and sanitation, franchises and public utilities. The discussion of modern agencies for research in city government is supplemented by practical field work at the Philadelphia Bureau of Municipal Research.

Dr. Arlitt offers in each year the following graduate seminary:

Seminary in Intelligence Tests. *Two hours a week throughout the year.*

Laboratory Work in Intelligence Tests.

Four hours a week throughout the year.

The work of the seminary is devoted to a critical survey of the field of mental tests. The laboratory work includes training in the use of tests followed by the practical application of them in schools.

Dr. Rand offers in each year the following graduate seminary:

Seminary in Applied Psychology. *Two hours a week throughout the year.*

Laboratory Work.

Four hours a week throughout the year.

This course combines seminary, laboratory drill and research features, and covers the psychological aspects of mental testing with special application to problems of vocational guidance and to the testing of normal adults, adult and juvenile delinquents and defectives.

In the seminary work, the requirements of mental tests, their standardization and statistical treatment are considered. The laboratory drill work consists of training in the application of general intelligence and diagnostic tests to normal children and adults. This furnishes a standard of the normal reaction to the tests as well as practice in giving

the tests. Later the work will be with delinquents and defectives. The research work will be done in connection with Vocational Guidance Bureaus. Two problems will be considered here: (a) the devising and standardizing of specific tests for diagnosing ability for different vocations; and (b) the determination of the average level of intelligence needed to meet the demands of different vocations. The course is open only to graduate students who have had training in experimental psychology.

Special Problems in Applied Psychology.

Four hours a week throughout the year.

This course is offered in connection with the course in Applied Psychology to students who wish to pursue more advanced work.

The following advanced undergraduate courses are offered by the Carola Woerishoffer Graduate Department:

Dr. Deardorff offers in each year the following courses, open to graduate students:

Applied Sociology.

Two hours a week throughout the year.

The first semester's work includes a brief survey of populations, especially of the United States, and a study of the racial, national, economic and social factors which determine standards of living. The course then considers the forces which contribute to the formation of society, the processes through which society has evolved and the final product in social institutions. This discussion having provided a concept of the nature of society affords a point of departure from which to consider social conditions and organized efforts for social betterment. In the second semester the course includes a survey of the origin, growth, and present methods of the most important social service organizations in order to acquaint the student with the fields of activity in which social work is being carried on: (1) social education, through settlements, civic centers or other neighborhood organizations; (2) improvement of industrial conditions, through associations for labor legislation, labor organizations, or consumers efforts; (3) child welfare, through societies for care and protection of children; (4) family care, through organizations for the reduction and prevention of poverty; (5) social guardianship, through the probation work in the juvenile courts or corrective institutions.

This course is open to students who have attended the course in Minor Economics.

Dr. Kingsbury offers in each year the following free elective course, also open to graduate students:

Elements of Statistics.

One hour a week throughout the year.

This course deals with the elementary principles of statistics and their application. Among the topics are the array, frequency distributions, averages, measures of variation, probability and theory of errors, theory of sampling, index numbers, logarithmic curves, graphic methods, comparisons, and the elements of linear correlation. It also attempts briefly to acquaint the student with the principles and methods of record keeping and filing which are applicable to municipal, state, and federal offices, to business organizations, and to social organizations and investigation, and with the methods of securing, analyzing, interpreting and presenting social data. Formulation of the various types of schedules, tabulation of information secured, and the framing of tables are among the subjects considered.

The course is recommended to students of social economy and of economics. No knowledge of mathematics beyond the requirements for matriculation is presupposed.

The following undergraduate courses in other departments of especial value in preparation for professional work in Social Economy are recommended to students of Social Economy:

Dr. Marion Parris Smith offers in 1922-23 and again in 1924-25 the following post-major course, open to graduate students:

American Economic and Social Problems.

Two hours a week throughout the year.

The object of this course is to trace certain social movements in the United States from 1865 to the present time. Special studies are made of the changes in rural and urban population; immigration, the race problem; the development of city life; the problems of country life; problems of food distribution and marketing, cost of living, etc. Special topics are assigned to students for reports and attention is given to the use of original source material.

Dr. Marion Parris Smith offers in each year the following major course, open to graduate students:

History of Economic Thought and Recent Economic Problems.

Five hours a week during the second semester.

The course is divided into two parts: Part I aims to give students an historical introduction as a basis for a critical study of modern economic problems. The students read in connection with this section parts of Adam Smith's *Wealth of Nation*; Ricardo's *Principles of Political Economy and Taxation*; Malthus's *Principles of Population*; and selections from the writings of John Stuart Mill, Jevons, Wicksteed, Boehm-Bawerk, and Pantaleoni.

In Part II certain modern economic problems are considered in some detail: distribution under socialism, co-operation, profit sharing, the minimum wage, the eight-hour day, tax reforms, price fixing, etc. Numerous short papers in connection with the reading, and one long report on some specially assigned subject are required.

Dr. Fenwick offers in each year the following major course, open to graduate students:

Present Political Problems.

Five hours a week during the first semester.

The object of this course is to present the chief political problems that have arisen in recent years. The study of practical problems is preceded by a study of theories relating to the origin and nature of the state, its end or object, and the proper sphere of state activities, under which last heading the various theories of individualism, liberalism, and socialism will be studied. Modern reforms in federal, state, and city government are next studied, and particular stress is laid upon the extension of federal power in the United States and the relation between the Fourteenth Amendment and modern social and economic legislation adopted in the exercise of the police powers of the several states.

Dr. Fenwick offers in each year the following free elective course, open to graduate students:

Elements of Law.

One hour a week throughout the year.

The object of the course is to familiarize the student with the principles and technical terms of those branches of private law with which the ordinary citizen is brought into contact. The subjects covered include Persons and Domestic Relations, Contracts, Torts, Real and Personal Property, and the chief forms of Procedure. The lectures are supplemented by a study and discussion of judicial decisions bearing on the subject.

Dr. Rand offers in each year the following major course, open to graduate students:

Applied Psychology.

Five hours a week during the second semester.

The specific applications of psychology form the subject-matter of this course. An important feature is the application to the work of the clinic. Demonstrations are made of mental equipment and individual practice is given in mental testing. The applications of psychology to law, medicine, vocational guidance, advertising, etc., are briefly considered. Four hours a week of laboratory work is required from students taking the course. A knowledge of psychology equivalent to that obtained in the minor experimental course is presupposed.

Dr. Ferree and Dr. Rand offer in each year the following minor course:

Experimental Psychology.

Five hours a week during the first semester.

Laboratory Work.

Four hours a week during the first semester.

(Open only to those students who have taken the required course in psychology or its equivalent.)

The lectures constitute an abbreviated course in systematic psychology in which the historical, critical, and theoretical features of the subjects covered are discussed and the experimental features demonstrated. Especial stress is laid on the comparative study of method. The laboratory work consists of individual practice in selected topics.

Dr. T. de Laguna offers in each year the following minor course, open to graduate students:

Elementary Ethics.

Five hours a week during the second semester.

The course begins with a survey of the development of typical moral standards in the course of human progress from primitive to modern conditions. This is followed by a critical study of the theory of moral values, with especial reference to the phenomena of moral evolution. The concluding weeks are devoted to an introduction to the more general problems of Social Philosophy in their bearing upon the ideals of English and American liberalism.

Dr. Leuba offers in each year the following major course, open to graduate students:

Social Psychology: The Psychology of Group Life and of the Main Social Institution.

Five hours a week during the first semester.

Dr. Castro gives in each year the following undergraduate course, open to graduate students:

Education.

Two hours a week throughout the year.

The course interprets modern educational problems from the standpoint of their social setting; develops the psychological principles underlying the technique of teaching and demonstrates their application; the mental, moral, and physical development of children from infancy, and discusses the treatment of children individually and in groups in school and extra-school activities.

It is conducted as a general survey course covering the subject-matter indicated, or various topics are stressed and studied more intensively according as the interests of the class vary from teaching to social work or to a more general interest in educational problems.

Dr. Arlitt offers in each year the following undergraduate course, open to graduate students:

Experimental Educational Psychology. *Three hours a week throughout the year.*

Laboratory Work.

Two hours a week throughout the year.

In the first semester a study is made of sensori-motor learning, perceptual learning, and learning of the problem-solving type. Particular emphasis is laid on the conditions and methods of efficient study and on the training of memory.

In the second semester the course takes up the study of school subjects from the point of view of laboratory experimentation and a survey of the field of group and individual tests and educational scales and measurements.

Students in the Carola Woerishoffer Graduate Department of Social Economy and Social Research—1915–1923.

Two-Year Certificate in Social Economy from Bryn Mawr College.

GEORGIA LOUISE BAXTER, 76 MacDougal Street, New York City.
Carola Woerishoffer Fellow in Social Economy and Social Research;
1917–19.

American Scandinavian Foundation Fellow, 1921–22.

Practicum: Philadelphia Municipal Court, Bureau of Statistics.

Preparation: A.B., University of Denver, 1914; M.A., University of California, 1917.

Position, 1914–15: Teacher and Matron, State Industrial School for Girls, Morrison, Colo., 1914–15.

Positions, 1919—: Research Secretary, Consumers' League of Eastern Pennsylvania, 1919–21; Research Assistant, Chase National Bank, New York City, 1922—.

AGNES MARY HADDEN BYRNES, . . . 3962 Bigelow Boulevard, Pittsburgh, Pa.
Susan B. Anthony Scholar in Social Economy and Politics, 1916–17.

Carola Woerishoffer Fellow in Social Economy and Social Research,
1917–18.

Preparation: A.B., Northwestern University, 1915; A.M., Columbia University, 1916.

Position, 1911–15: Superintendent of the Money Order Department of the Post Office, Evanston, Ill., 1911–15.

Positions, 1918—: Research Assistant, United States Shipping Board, 1918–19; Instructor and Assistant Professor, Social Research, Margaret Morrison Division, Carnegie Institute of Technology, Pittsburgh, Pa., January, 1919—.

ALICE SQUIRES CHEYNEY, 259 South 44th Street, Philadelphia, Pa.
Graduate Student, Social Economy and Social Research, 1915–16,
1917–18.

Graduate Student, University of Wisconsin, 1916–17; University of
Pennsylvania, 1918–21.

Preparation: A.B., Vassar College, 1909; Philadelphia Training Course for Social Workers, 1909–10; Graduate Student, University of Pennsylvania, 1910–11.

Positions, 1909–14: Agent, Children's Bureau, Philadelphia, 1909–11; Assistant to the Director, Bureau for the Registration and Exchange of Confidential Information, Philadelphia, 1911; Investigator, Massachusetts Commission on Minimum Wage, Boston, 1911; Investigator, New York State Factory Investigation Commission, 1913–14.

Positions, 1917—: Agent, Federal Children's Bureau, 1917; Secretary, Sub-Committee, Pennsylvania State Commission on Public Safety, 1917–18; Instructor, Industrial Problems, Pennsylvania School for Social Work, 1919–20.

ELEANOR COPENHAVER, Y. W. C. A., 501 Hurt Building, Atlanta, Ga.
Scholar in Social Economy and Social Research, 1918–19.

Robert G. Valentine Scholar in Social Economy, 1919–20.

Practicum: The Bryn Mawr Community Center.

Preparation: A.B., Richmond College, Va., 1917.

Position, 1917–18: Teacher of Science, the High School, Marion, Va., 1917–18.

Positions, 1920—: Director, New York College Settlement Camp, Mt. Ivy, N. Y., Summer, 1920; County Secretary, South Atlantic Field Committee, Young Women's Christian Association, 1920–21; National Secretary, County Department, Y. W. C. A., 1921—.

JANE STODDER DAVIES, 72 Professors Row, Tufts College, Mass.
Robert G. Valentine Scholar in Social Economy, 1918-19.
Carola Woerishoffer Scholar in Social Economy, 1919-20.
Practicum: The Bryn Mawr Community Center.

Preparation: A.B., Jackson College, Tufts College, 1918.
Position, 1920—: Assistant Field Representative and Case Correspondent, New England Division, American Red Cross, 1920—.

ZOE NYOK DONG, 527 West Wochang Road, Shanghai, China.
Carola Woerishoffer Scholar in Social Economy and Social Research, 1920-22.
Graduate Student, Columbia University, 1922-23.
Practicum: Bryn Mawr Community Center.

Preparation: A.B., Smith College, 1920.

LEAH HANNAH FEDER, 83 Bloomfield Avenue, Passaic, N. J.
Carola Woerishoffer Scholar in Social Economy and Social Research, 1917-18.
Carola Woerishoffer Fellow in Social Economy and Social Research, 1918-19.
Practicum: White-Williams Foundation, Philadelphia.

Preparation: A.B., Mount Holyoke College, 1917.
Positions, 1917—: Case Worker Substitute, New York Charity Organization Society, summers of 1917 and 1918; Supervisor in the Children's Aid Society of Pennsylvania, 1919-22; Lowell District Supervisor, New York Charity Organization Society, 1922—.

HELEN GENEVIEVE FULLER, 825 Second Avenue, New York City.
Carola Woerishoffer Scholar in Social Economy and Social Research, 1915-17.
Practicum: Society for Organizing Charity, Philadelphia; Massachusetts Minimum Wage Commission.

Preparation: A.B., Mount Holyoke College, 1915.
Positions, 1917—: Special Investigator for the Consumers' League of Rhode Island, November-December, 1917; Assistant Secretary, Massachusetts Minimum Wage Commission, 1918-19; Investigator, United States Bureau of Labor Statistics, February-July, 1919; Special Agent, Massachusetts Minimum Wage Commission, Boston, November, 1919-February, 1920; Field Agent, New York State Child Labor Committee, 1920-21; Vocational Counsellor, Vocational Service for Juniors, New York City, 1921—.

HELEN RUTH HIBBARD, 457 Orchard Avenue, Bellevue, Pa.
Carola Woerishoffer Scholar in Social Economy and Social Research, 1916-18.
Practicum: Social Service Department, Pennsylvania Hospital; Bryn Mawr Community Center.

Preparation: A.B., Wellesley College, 1894, and Graduate Student, 1915-16.
Positions, 1894-1901: Teacher, Miss Williams School, Worcester, Mass., 1894-95; Teacher, Monson Academy, Mass., 1895-99; Teacher, Hillside School, Norwalk, Conn., 1900-01.
Positions, 1917—: Assistant, Bryn Mawr Community Center, 1917-18; Field Worker, American Red Cross, Boston, Mass., June-September, 1918; Supervisor of Training Classes, Pittsburgh Chapter, American Red Cross, 1918-19; Visitor, Children's Service Bureau, Pittsburgh, 1920—.

GWENDOLYN SALISBURY HUGHES, . . . 17 West 43d Street, New York City.
Susan B. Anthony Scholar in Social Economy and Politics, 1918-19.
Carola Woerishoffer Fellow in Social Economy and Social Research, 1919-20.

Preparation: A.B., University of Nebraska, 1916, and A.M., 1917; Scholar in Sociology, University of Nebraska, 1916-17, and Fellow, 1917-18. Assistant Child Welfare Department, Lincoln Public Schools, 1917-18.
Positions, 1920—: Research Assistant, Carola Woerishoffer Department, Bryn Mawr College, 1920-21; Instructor, Sociology, Elmira College, 1921-22; Director Child Health Study, Public Health Committee, The New York Academy of Medicine, New York City, 1922—.

LOIS ANGELINE MEREDITH, 1285 Madison Avenue, New York City.
Carola Woerishoffer Scholar in Social Economy, 1920-21.
Carola Woerishoffer Fellow in Social Economy, 1921-22.
Commonwealth Fund Fellow, New York School for Social Work, 1922-23.
Practicum: Society for Organizing Charity, Germantown District, Philadelphia.

Preparation: A.B., Grinnell College, 1919.

Position, 1919-20: Teacher of History and English, High School, Nashua, N. H., 1919-20.

INEZ MAY NETERER, 2702 North Broadway, Seattle, Wash.
Carola Woerishoffer Scholar in Social Economy and Social Research, 1916-17.

Gamma Phi Beta Sorority Social Service Fellow of the Association of Collegiate Alumnae, 1917-18.

Fellow in Education, 1918-19.

Practicum: Philadelphia Children's Bureau; Bryn Mawr Community Center.

Preparation: B.S., Mills College, 1916. Student, University of Washington, summer session, 1914.

Positions, 1919—: Laboratory Assistant, Child Study Laboratory, Seattle Public Schools, Washington, 1919-21; Assistant to Assistant Superintendent of Schools, Seattle, 1922-23.

HAZEL GRANT ORMSBEE, 548 Riverside Drive, New York City.
Carola Woerishoffer Scholar in Social Economy and Social Research, 1915-16.

Carola Woerishoffer Fellow in Social Economy and Social Research, 1916-17.

Graduate Student, Social Economy and Social Research, 1917-18.

Mary E. Garrett European Fellow and Student, London School of Economics, 1920-21.

Practicum: Bureau of Compulsory Education, Philadelphia.

Preparation: A.B., Cornell University, 1915.

Positions, 1917—: Case Worker, Supervisor, White-Williams Foundation, Philadelphia, 1917-20; Scholarship Counsellor, White-Williams Foundation, Philadelphia, 1921-22; Vocational Counsellor, Vocational Service for Juniors, New York City, 1922—.

HELEN ELIZABETH SPALDING, 117 Boston Boulevard, Detroit, Mich.
Graduate Student in Social Economy and Social Research, 1919-20.

Carola Woerishoffer Fellow in Social Economy, 1920-21.

Practicum: Children's Aid Society, Society for Organizing Charity, Philadelphia.

Preparation: A.B., Bryn Mawr College, 1919, and M.A., 1920.

Position, 1921—: Visitor, Wayne County, Juvenile Court, Mothers' Pensions Department, Detroit, 1921—.

FRANCES HOWARD TETLOW, . . . 21 Cumberland Avenue, Brookline, Mass.
Graduate Student, Social Economy; Social Research, 1915-16, 1917-18.

Graduate Student, University of Wisconsin, 1916-17.

Practicum: Philadelphia Women's Trade Union League.

Preparation: A.B., Radcliffe College, 1908.

Position, 1909-15: Teacher of English, the Winsor School, Boston.

Positions, 1917-20: Executive Secretary, Pennsylvania Committee on Women in Industry, 1917-18; Assistant Employment Manager, American Optical Company, Southbridge, Mass, 1918-20.

AMEY EATON WATSON, * 5 College Avenue, Haverford, Pa.
Graduate Student in Social Economy and Social Research, 1915-22.

Preparation: A.B., Women's College in Brown University, 1907; A.M., University of Pennsylvania, 1910; Graduate Student, Columbia University, 1913-14.

Positions, 1907—: Teacher, Miss Wheeler's School, Providence, R. I., 1907-08; Visitor, New York Association for Improving the Condition of the Poor, 1908-09; Research Worker, Eugenics Record Office, Cold Spring Harbor, N. Y., 1910-11; Research Worker, Agricultural College, Logan, Utah, 1911-12; Instructor, Department of Social Science,

* Mrs. Frank D. Watson.

University of Utah, 1912; President, Philadelphia Conference on Parenthood, 1915—; Special Agent, Federal Children's Bureau, 1916-18; a member of the faculty of the Pennsylvania School of Social and Health Work, 1918—.

AGNES STERRETT WOODS, 168 West Main Street, Carlisle, Pa.
Community Center Scholar in Social Economy, 1919-21.

Practicum: Bryn Mawr Community Center.

Preparation: A.B., Dickinson College, 1917; A.M., 1918.

Positions, 1918-19: Assistant in Office, Varick House, 11 Dominick Street, New York City, 1918; Employment Office, 600 Lexington Avenue, 1918-19; Postmistress, Camp Altamont, 1919.

Masters of Arts of Bryn Mawr College.

MILDRED JACOBS COWARD, See page 46.

ELEANOR LANSING DULLES, 18 West Cedar Street, Boston, Mass.
Intercollegiate Community Service Association Fellow in Social Economy, 1919-20.

Graduate Student, London School of Economics, 1921-22.

Graduate Student, Harvard University, 1922—.

Practicum: Atlantic Refining Company, The Scott Company, Philadelphia; American Tube and Stamping Company, Bridgeport, Conn.

Preparation: A.B., Bryn Mawr College, 1917; A.M., 1920. Relief Worker, Shurtleff Memorial Relief, Paris, France, 1917-18; Reconstruction Worker, American Friends Service Committee, France, 1918-19.

Position, 1920—: Employment Manager, S. Gembly, Long Island City, N. Y., 1920-21.

ADRIENNE KENYON FRANKLIN, See page 46.

MILDRED CLARK JACOBS,* 4611 Spruce Street, Philadelphia, Pa.
Carola Woerishoffer Scholar in Social Economy and Social Research, 1916 and 1916-17.

Practicum: Society for Organizing Charity, Philadelphia, Pa.

Preparation: A.B., Bryn Mawr College, 1916, and M.A., 1917; Graduate Student in Applied Psychology, Bryn Mawr College, 1917-18.

Positions, 1917—: Assistant Demonstrator in Applied Psychology, Bryn Mawr College, 1917-18; Assistant Manager, Bureau of Occupations for Trained Women, Philadelphia, April, 1920—.

ADRIENNE KENYON,† Glenside, Pa.
Carola Woerishoffer Scholar in Social Economy and Social Research and College Settlement Association Joint Fellow, 1916-17.

Practicum: Philadelphia College Settlement.

Preparation: A.B., Bryn Mawr College, 1915, and M.A., 1917; Special Student, Columbia University, October, 1915-January, 1916.

Positions, 1917—: Office Secretary, National Social Workers' Exchange, New York City, August-November, 1917; Assistant Employment Manager, American Lithographic Company, New York City, November, 1917-18; Assistant Manager, Bureau of Occupations for Trained Women, Philadelphia, October, 1919-April, 1920.

HELEN MARIE HARRIS, 2601 Lombard Street, Philadelphia, Pa.
Bryn Mawr-Intercollegiate Community Service Association Joint Fellow in Social Economy and Social Research, 1917-18.

Practicum: Philadelphia College Settlement.

Preparation: A.B., Bryn Mawr College, 1917, and M.A., 1918; Student, University of Pennsylvania, summer session, 1917.

Position, 1915: Secretarial work at Drexel Institute, Philadelphia, summer of 1915.

Positions, 1918—: Financial Secretary, Philadelphia College Settlement, 1918-22; Instructor in Dramatics, University Settlement, Philadelphia, 1922—.

CATHERINE UTLEY HILL,‡ Care Brown, Shipley & Co.,
 123 Pall Mall, London, England.
Graduate Student, Social Economy and Social Research, 1917-18.

Preparation: A.B., Bryn Mawr College, 1907, and M.A., 1918.

Positions, 1899-1908: Teacher of Biblical Literature, Brooklyn Young Women's Christian Association, 1899-1901; Industrial Secretary, Brooklyn Young Women's Christian

* Mrs. Halton A. Coward. † Mrs. Benjamin Franklin, Jr. ‡ Mrs. George Edwin Hill.

Association, 1899-1901, and 1905-1910; Head of the East New York Settlement House, summer of 1906.
Positions, 1918—: Worker in France, Young Men's Christian Association, 1918-19; Metropolitan Secretary, Young Women's Christian Association, Brooklyn, N. Y., 1919-22.

ELIZABETH PINNEY HUNT,*.....Haverford, Pa.
Graduate Student in Social Economy, 1919-20.
American-Scandinavian Foundation Fellow, Student, University of Stockholm, Sweden, 1920-21.

Preparation: A.B., Bryn Mawr College, 1912; and M.A., 1920.
Position, 1922—: Teacher of English, Lower Baldwin School, Bryn Mawr, Pa.

AMELIA KELLOGG MACMASTER,....Smith College, Northampton, Mass.
Graduate Scholar in Philosophy, 1917-18.
Bryn Mawr-Intercollegiate Community Service Association Joint Fellow in Social Economy and Social Research, 1918-19.
Gamma Phi Beta Social Service Fellow, Association of Collegiate Alumnae, Student of London School of Economics, 1919-20.
Practicum: College Settlement, Philadelphia, Pa.

Preparation: A.B., Bryn Mawr College, 1917, and M.A., 1918.
Positions, 1904-19: Primary Teacher, Public School, Gloster, N. J., 1904-05; Kindergarten, Public Schools, Newark, N. J., 1905-February, 1912, and 1912-13; Summer School Teacher, Newark, N. J., 1906, 1908, 1911, and 1913-16; Playground Teacher, Newark, N. J., summers, 1914-16; Tutor in English, Bryn Mawr College, 1915-19.
Positions, 1920: Relief Worker, American Friends Service Committee, Vienna, Austria; Assistant Professor, Sociology, Smith College, 1921—; Executive, Bryn Mawr Preparatory Tutoring Camp, summers, 1919—.

HELEN ELIZABETH SPALDING,.....See page 45.

DOROTHY VIVIAN WESTON,.....Weston Mills, N. Y.
Carola Woerishoffer Scholar in Social Economy and Social Research and College Settlements Association Joint Fellow, 1915-16.
Practicum: Philadelphia College Settlement.

Preparation: A.B., Bryn Mawr College, 1914, and M.A., 1916.
Position, 1914-15: Resident, College Settlement of New York City, 1914-15.
Positions, 1916-18: Director of Girls' Work, Jan Hus Neighborhood House, New York City, 1916-17; Head-Resident, Jan Hus Neighborhood House, New York City, 1917-18.

One-Year Certificate in Social Economy from Bryn Mawr College.

KATHERINE REYNOLDS BELL,†.....25 Mull Avenue, Akron, Ohio.
Non-Resident Scholar, Social Economy and Social Research, 1917-18;
Scholar in Social Economy, June, 1918-February, 1919.
Practicum: Bryn Mawr Community Center; The McElwain Shoe Manufacturing Company, Manchester, N. H.; The United States Cartridge Company, Lowell, Mass.; The General Electric Company, Lynn, Mass.; The Midvale Steel Company, Philadelphia, Pa.

Preparation: A.B., Cornell University, 1917.
Positions, 1919—: Assistant Employment Manager, Goodrich Rubber Company, Akron, Ohio, June, 1919-January, 1920; Assistant in Charge of Employment of Women, Good-year Tire and Rubber Company, Akron, January, 1920-22.

DOROTHY MAXWELL BERTCH,....540 East 76th Street, New York City.
Carola Woerishoffer Scholar in Social Economy and Social Research, 1921-22.
Practicum: Bryn Mawr Community Center.

Preparation: A.B., Miami University, 1921.
Position, 1922—: Assistant Girls' Club Worker, East Side House, New York City, 1922—.

* Mrs. Andrew Dickson Hunt.

† Mrs. William Charles McCoy.

HELEN ELIZABETH BRENNAN,.....Leetonia, Ohio.
Susan B. Anthony Scholar in Social Economy and Politics, 1920-21.

Preparation: A.B., Radcliffe College, 1920; M.A., Bryn Mawr College, 1921; Graduate Student, Radcliffe College, 1921—.

CLARE WILHELMINA BUTLER,....519 West 103d Street, New York City.
Robert G. Valentine Scholar in Social Economy and Social Research, 1917-18.

Practicum: Society for Organizing Charity, Philadelphia.

Preparation: A.B., Vassar College, 1909. Graduate Nurse, Massachusetts General Hospital, Boston, Mass., December, 1915; Registered Nurse, Mass., 1917.

Positions, 1909-17: Instructor of Mathematics and Science, Lindenwood College, St. Charles, Mo., 1909-10; Medical Social Worker, Massachusetts Charitable Eye and Ear Infirmary, Boston, Mass., January, 1916-June, 1917.

Positions, 1918: Psychiatric Social Worker, Boston Psychopathic Hospital; Psychiatric Social Worker on New York County Jail Survey, National Committee for Mental Hygiene, New York City, 1922—.

ELSA MAY BUTLER,*.....141 East 62d Street, New York City.
Carola Woerishoffer Fellow in Social Economy and Social Research, 1915-16.

Preparation: A.B., Vassar College, 1905; A.M., Washington University, 1914.

Positions, 1905-15: Teacher, High School, Neligh, Nebr., 1905-06; Teacher, Akeley Hall, Grand Haven, Mich., 1906-08; Teacher, Hosmer Hall, St. Louis, Mo., 1908-12; Assistant Head Worker, Social Service Department, St. Louis Children's Hospital, 1912-15.

Positions, 1916—: Head Worker, Social Service Department, Hahnemann Hospital, Philadelphia, 1916-18; Extension Course Lecturer on "Hospital Social Service," Pennsylvania School for Social Service, Philadelphia, 1916-18; Field Director of the State of Missouri, Bureau of Civilian Relief of the Southwest Division of the American Red Cross, 1918; Director, Home Service Institute, Red Cross, St. Lawrence County, New York, July, 1918; Assistant Professor of Social Economics, Vassar Training Camp for Nurses, August-September, 1918; Executive Secretary of the Polish Gray Samaritan Training School, Young Women's Christian Association War Work Council, 1918-19; Executive, Vassar Unit, Verdun, France, 1919-20; Director of Social Welfare in Baltic States of the Red Cross, 1921-22; Executive Secretary, Vassar Club, 1922—.

MARY GOODHUE CARY,.....See page 50.

EDNA CERS,.....103 Walker Street, Cambridge, Mass.
Susan B. Anthony Scholar in Social Economy and Politics, 1921-22.
Fellow in Economics, 1922-23.

Preparation: A.B., Radcliffe College, 1921.

LYSSA DESHA CHALKLEY,.....Lexington, Ky.
American Red Cross Scholar in Social Economy, 1921-22.

Practicum: American Red Cross, Philadelphia Society for Organizing Charity, Philadelphia.

Preparation: Ph.B., University of Chicago, 1920.

Position, 1922—: Teacher of English, Episcopal School for Girls, Versailles, Ky., 1922—.

FRANCE MARIE ALICE CHALUFOUR, . . 568 Chapel Street, New Haven, Conn.
Special French Scholar in Social Economy, 1919-20.

Practicum: Bryn Mawr Community Center; The Miller Lock Company, Philadelphia, Pa.; The United States Rubber Company, New Haven, Conn.

Preparation: Lycée Molière.

Positions, 1920—: Assistant Director, Subnormal Training Class, United States Rubber Company, August, 1920; Assistant Director of Standardization, United States Rubber Company, New Haven, Conn., 1920-21; Secretary, West Haven Red Cross, 1921-22; Statistician, U. S. Coal Commission, 1922—.

RUTH EMILY CHAPMAN,.....6316 Ross Street, Germantown, Pa.
Non-resident Scholar in Social Economy, 1920-21.

Practicum: Bryn Mawr Community Center.

Preparation: A.B., University of Denver, 1919.

Position, 1919: Office Manager, Goodwill Industries, Philadelphia, Pa., 1919-20.

* Mrs. Elsa Butler Grove.

EVA COHEN,.....23 Pawtucket Street, Hartford, Conn.
Grace H. Dodge Scholar in Social Economy, 1920-21.

Practicum: A. M. Collins Manufacturing Company, Philadelphia.

Preparation: A.B., Smith College, 1916.

Positions, 1916-20: Family Case Worker, United Hebrew Charities, New York City, 1916-17; Investigator and Court Worker, New York Probation and Protective Association, New York City, 1917; Secretary, Juvenile Commission, Hartford, Conn., 1917-18; Field Agent, United States Employment Service in Connecticut, 1918-19; Secretary, Juvenile Commission, Hartford, Conn., 1919-20.

MARJORIE HELEN DARR,.....Care of Red Cross, Warren, Ohio.
American Red Cross Scholar in Social Economy, 1920-21.

Practicum: American Red Cross, Coatesville, Pa.

Preparation: A.B., Smith College, 1916.

Positions, 1916-19: Teacher, High School, Defiance, Pa., 1916-17; Teacher of History, High School, Woodbridge, N. J., 1917-18; Hut Worker, American Red Cross, France, 1918-19.

Positions, 1922—: Home Service Secretary, American Red Cross, Warren, Ohio; Executive Secretary, American Red Cross, Trumbull County Chapter, Warren, Ohio, 1922—.

MARGARET ETHEL DURGIN,.....13 Summit Avenue, Concord, N. H.
Scholar in Social Economy, 1919-20.

Practicum: Fayette R. Plumb Company, Philadelphia, Pa.; Westinghouse Lamp Company, Bloomfield, N. J.

Preparation: A.B., Mount Holyoke College, 1913; Cornell University, summer session, 1916.

Positions, 1913-15: Teacher of English, High School, Waterbury, Vt., 1913-14; Teacher, High School, Concord, N. H., 1914-19.

LISETE EMERY FAST,.....Stanford University, California.
Scholar in Social Economy, 1919-20.

Practicum: Sutro Hosiery Company, Philadelphia; Midvale Steel and Ordnance Company, Nicetown, Pa.; International Silver Company, Bridgeport, Conn.

Preparation: A.B., Stanford University, 1919.

Positions, 1917-19: Deputy Probation Officer, Juvenile Court, Denver, Colo., two months, 1917; Assistant Girls' Club, Neighborhood House, Denver, Colo.

Position, 1922—: Research Assistant, Food Research Institute, Stanford University, California, 1922—.

JOSEPHINE NOYES FELTS,.....1432 Pine Street, Philadelphia, Pa.
Robert G. Valentine Scholar in Social Economy, 1921-22.

Practicum: Society for Organizing Charity, Philadelphia.

Preparation: A.B., Reed College, 1921.

Position, 1922—: Visitor, Children's Bureau, Philadelphia, Pa., 1922—.

LUCILE FULK,.....Y. W. C. A., Lincoln, Nebr.
Grace H. Dodge Scholar in Social Economy, 1920-21.

Practicum: Notaseme Hosiery Company, Philadelphia.

Preparation: A.B., University of Nebraska, 1919.

Position, 1919-20: Teacher, High School, Norfolk, Nebr.

Position, 1921—: Industrial Secretary, Y. W. C. A., Lincoln, Nebr., 1921—.

AUGUSTA EMILE GALSTER,.....Maison des Etudiantes, 56 rue du Faur,
 Toulouse, France.

Grace H. Dodge Fellow in Social Economy, 1921-22.

Special French Government Scholar, University of Toulouse, 1922-23.

Practicum: Curtis Publishing Company, Philadelphia, Pa.

Preparation: A.B., University of Illinois, 1918; A.M., 1920.

Position, 1920-21: Instructor in Economics, University of Illinois.

MARY BROOKS GOODHUE,*..Gilman Apartments, 31st and Calvert Streets,
 Baltimore, Md.

Grace H. Dodge Fellow in Social Economy, 1920-21.

Practicum: John Disston Sons, Philadelphia.

Preparation: A.B., Bryn Mawr College, 1915; A.M., University of Pennsylvania, 1918.

Positions, 1915-20: Teacher, High School, Lunenburg, Mass., 1915-17; Industrial Secretary, Young Women's Christian Association, Baltimore, Md., 1918-20.

* Mrs. Richard Lucius Cary.

- ELSA BUTLER GROVE,.....See page 48.
- JOSEPHINE GUYOT,.....905 West 3rd Street, Williamsport, Pa.
Scholar in Social Economy, 1919-20.
Practicum: The Barrett Manufacturing Company, Philadelphia;
 The Edward G. Budd Manufacturing Company, Philadelphia;
 The United States Rubber Company, New Haven, Conn.
Preparation: Student, Syracuse University, 1912-14; A.B., Radcliffe College, 1918.
Position, 1918-19: Tutoring, Lancaster, Mass.
Positions, 1920—: Supervisor of Centralized Instruction, Lycoming Rubber Co., Williamsport, Pa., 1920-21; Supervisor of Production, Dupont Fiber Silk Co., Buffalo, New York, 1921—.
- MINNIE ETTA HARMAN,.....Durham, N. C.
American Red Cross Scholar in Social Economy, 1920-21.
Practicum: American Red Cross, Phoenixville, Pa.
Preparation: A.B., Lynchburg College, 1914.
Positions, 1918-19: Assistant Principal, High School, Graham, Va.; Teacher, High School, Earlysville, Va.; Norfolk, Va.; Assistant in Foreign Bureau of the Bureau of Communication, American Red Cross, Washington, D. C., 1918-19.
Position, 1921—: Executive Secretary, Durham Chapter, American Red Cross, 1921—.
- GRACE HATHEWAY,.....17 South 21st Street, Philadelphia, Pa.
Scholar in Social Economy, 1919-20.
Practicum: The American Pulley Company, Philadelphia; The Scott Company, Philadelphia.
Preparation: A.B., Oberlin College, 1911.
Positions, 1911-19: Officer and Teacher, State Reformatory for Girls, Lancaster, Massachusetts; Private Secretary, Rollins College; Manuscript Reader, The Century Company, New York City; Editorial Assistant, The "Vogue" Magazine, New York City; Manager, Personal Correspondence Department, The Encyclopedia Britannica Corporation, New York City; The National Child Labor Conference, New York City.
Positions, 1920—: Research Secretary, The American Friends Service Committee, Philadelphia, 1920-21; Assistant Supervisor, Tubize Plant, Hopewell, Va., 1921-22; Assistant in Personnel Department James McCreery & Co., 1922; Research Worker, Industrial Research Department, University of Pennsylvania, Philadelphia, 1923—.
- ISTAR ALIDA HAUPT, . . .215 Longwood Road, Roland Park, Baltimore, Md.
Fellow in Psychology, 1920-21.
Graduate Student, Johns Hopkins University, 1921-22.
Practicum: The Juvenile Court, Philadelphia.
Preparation: A.B., Bryn Mawr College, 1917, and A.M., 1918.
Position, 1918-20: Assistant Demonstrator in Applied Psychology, Bryn Mawr College.
- ELIZABETH HAYS,.....5555 Pershing Avenue, St. Louis, Mo.
Carola Woerishoffer Scholar in Social Economy and Social Research, June, 1918-June, 1919.
Practicum: Winchester Repeating Arms Company, New Haven, Conn.; The United States Cartridge Company, Lowell, Mass.; The American Pulley Company, Philadelphia, Pa.
Preparation: A.B., Smith College, 1909; Student in music, 1910-13; Course in Washington University, 1911-12; Northwestern University, summer, 1916; Harvard Summer School, 1915.
Positions, 1914-18: Charge of book room, Mary Institute, St. Louis, 1914; Teacher of English, History and Latin, Mary Institute, 1914-18.
Positions, 1919—: Director, Red Cross Placement Bureau for the Handicapped, St. Louis, Mo., October, 1919-20.
- KATHERINE HUFF,.....304 West Church Street, Champaign, Ill.
Scholar in Philosophy, 1920-21.
Practicum: Bryn Mawr Community Center.
Preparation: A.B., University of Illinois, 1920.
- EMILY HARRIET HUNTINGTON,.....18 West Cedar Street, Boston, Mass.
Scholar in Social Economy, 1919-20.
Graduate Student, London School of Economics, 1921-22; Graduate Student, Harvard University, 1922—.

Practicum: Midvale Steel and Ordnance Company, Nicetown, Pa.; Leeds and Northrup Company, Philadelphia, Pa.; Procter and Gamble, Port Ivory, Staten Island, N. Y.

Preparation: A.B., University of California, 1917.

Positions, 1917-19: Assistant Director, Pacific Division, Bureau of Junior Red Cross, six months; Child Welfare Division, Council of National Defense, Washington, D. C., two months; Supervisor, United States Bureau of Labor Statistics, seven months.

Position: With Procter and Gamble, New York, 1920-21.

BARBARA LEE JOHNSON, Mayaguez, Porto Rico.
Bryn Mawr-Intercollegiate Community Service Association Joint Fellow in Social Economy and Social Research, 1919-20.

Practicum: The College Settlement, Philadelphia.

Preparation: A.B., Smith College, 1919.

Positions, 1920—: Teacher, Miss Evans' School of Individual Instruction, St. Louis, Mo., and Assistant in organization of Summer Camp, 1920-21; Assistant Professor in History and Economics, University of Porto Rico, College of Agriculture and Mechanics, Mayaguez, Porto Rico, 1921—.

ADA RUTH KUHN, 701 North 26th Street, Lincoln, Nebr.
Carola Woershoffer Fellow in Social Economy and Social Research, 1919-20.

Practicum: American Red Cross, Phoenixville, Pa.

Preparation: A.B., University of Nebraska, 1915, and A.M., 1918.

Position, 1915-16: Teacher, High School, Stella, Nebr., 1915-16.

Positions, 1920—: Teacher, High School, Lincoln, Nebr., 1920-23; Teacher of Mathematics, Omaha Technical High School, Omaha, Nebr., 1923—.

IRMA CAROLINE LONEGREN, . . . 1198 Fifty-fifth Avenue, S. E., Portland, Ore.
Special Scholar in Social Economy, 1918-19.

American Scandinavian Foundation Scholar, Student, University of Upsala, Sweden, 1919-20.

Practicum: The Municipal Court, Philadelphia.

Preparation: A.B., Reed College, 1915.

Position, 1915-18: Probation Officer and Statistician, Juvenile Court, Portland, 1915-18.

Positions, 1919—: Field Officer, Sleighton Farm, Darlington, Pa., June-August, 1919; Probation Officer, Court of Domestic Relations, 1920-22; Expert in Child Welfare, Children's Bureau, Department of Labor, Washington, D. C., 1922—.

KATHARINE BELL MCCOY, See page 47.

EVELYN CHRISTIANA MCKAY, Goldbar, Wash.
Scholar in Social Economy, 1919-20.

Practicum: The A. M. Collins Manufacturing Company, Philadelphia; John Wanamaker Store, Philadelphia; L. Bamberger and Company, Newark, N. J.

Preparation: A.B., University of British Columbia, 1919.

Positions, 1912-18: Clerk, Post Office, Goldbar, Wash., 1912-16, 1919; Subscription Social Editor, *Daily Sun*, Vancouver, B. C., 1917; Desk Secretary, Young Women's Christian Association, Vancouver, B. C., 1918; Student Assistant, Department of History, University of British Columbia, Vancouver, B. C., 1917-18.

Positions, 1920—: Saleswoman, L. Bamberger and Company, Newark, N. J., 1920; Statistical Clerk; Junior Statistician, Public Service Commission, First District, New York City, 1920-21; Job Analyst, Planning Department, R. H. Macy & Co., New York City, 1921-22; Teaching fellow in Economics, University of California, 1922-23.

WINIFRED CHARLOTTE MILES, 2500 Bancroft Way, Berkeley, Calif.
Scholar in Social Economy, 1919-20.

Practicum: The Whitman Candy Company, Philadelphia; The Notaseme Hosiery Company, Philadelphia; R. H. Macy and Company, New York City.

Preparation: A.B., University of California, 1919.

Positions, 1917-19: Resident Worker, Telegraph Hill Neighborhood House, San Francisco, two months, 1917; Assistant Manager, Bothin Convalescent Home, Menlo, Marin County, Calif., two months, 1917; Assistant Head Worker, People's Place Settlement, San Francisco, two months, 1918 and 1919; The Neville Bag Factory, Portland, Ore., one month, 1918; Venus Candy Factory, Oakland, Calif., two months, 1919; Bonbon

Dipper, Pacific Coast Candy Company, San Francisco, two months, 1919; National Paper Products Company, San Francisco, two months, 1919.
Position, 1920—: Assistant Director and Director of Education, Hale Brothers, Inc., San Francisco, 1920—.

MARGARET MONTAGUE MONROE, 1017 County Line Road, Bryn Mawr, Pa.
Fellow in Psychology; Social Economy and Social Research, 1918-20.
Practicum: The Juvenile Court, Philadelphia.

Preparation: A.B., Mount Holyoke College, 1915; Barnard College, Columbia University, 1911-13.
Positions, 1920—: Assistant Demonstrator, Applied Psychology, Bryn Mawr College, 1920-21; Research Assistant, Laboratory of Physiological Optics, Polyclinic Hospital of the Post Graduate Medical College University of Pennsylvania, Philadelphia.

ANNE HENDRY MORRISON, Sleighton Farms, Darlington P. O., Pa.
Community Center Scholar in Social Economy; Education, 1920-21.
Graduate Student, Columbia University, 1922.
Practicum: Bryn Mawr Community Center.

Preparation: A.B., University of Missouri, 1914.
Positions, 1905-20: Teacher, Public Schools, Kansas City, Mo., 1905-13 and 1914-15; Teacher of Latin, High School, Kansas City, Mo., 1915-20.
Positions, 1921—: Instructor in Economics and Sociology, Mt. Holyoke College, 1921-22; Social Director of Morris and Tompkins Halls, Columbia University, 1922; Psychologist, Glenn Mills School for Girls, 1923—.

VIRGINIA SPENCE MOSS, See page 54.

ARDIS NASON, Massachusetts Institute of Technology, Boston, Mass.
Grace H. Dodge Scholar in Social Economy, 1920-21.
Practicum: John Wanamaker Store, Philadelphia.

Preparation: A.B., Mount Holyoke College, 1920.
Position, 1920: Assistant, Statistical Department, United States Rubber Company, Williamsport, Pa., summer, 1920.
Positions, 1921—: Assistant Instructor, Department of Economics, Massachusetts Institute of Technology, 1921—; Instructor in Statistics and Economics, Katherine Gibbs School for Executive Secretaries, Boston, Mass., 1922; Instructor in Economics, Erskine School, Boston, Mass., 1922—.

GLADYS LOUISE PALMER, 2244 North 29th Street, Philadelphia, Pa.
Carola Woerishoffer Scholar in Social Economy and Social Research, 1917-18.
Frances Sargent Pepper Fellow, University of Pennsylvania, 1922-23.

Preparation: A.B., Barnard College, 1917.
Positions, 1918—: Secretary, Carola Woerishoffer Graduate Department, Bryn Mawr College, 1918-19; Reader, 1919-20; Instructor, Economics Department, Vassar College, Poughkeepsie, N. Y., 1920-22.

ALICE MAY PIRIE, Fort Collins, Colo.
Grace H. Dodge Scholar in Social Economy, 1920-21.
Practicum: The Curtis Publishing Company, Philadelphia.

Preparation: A.B., Colorado College, 1919.
Position, 1919-20: Principal, High School, Estes Park, Colo.
Positions, 1921: Manager, Crags Hotel, Estes Park, Colo., 1920-21; Teacher in Mathematics and English, State Preparatory School, Boulder, Colo., 1921—.

EDITH MARY PRICE, 91 Kirby Avenue, Detroit, Mich.
British Scholar in Social Economy, 1919-20.
Practicum: Municipal Court of Philadelphia; Children's Aid Society, Philadelphia; Charity Organization Society, Philadelphia.

Preparation: Girton College, Cambridge, England.
Positions, 1920—: Field Worker, United States Interdepartmental Social Hygiene Board, Boston, Mass., June-October, 1920; Student Worker, Reformatory for Women, Framingham, Mass., November-December, 1920; Girls' Protective League, Detroit, Mich., 1921—.

ELIZABETH LANE PORTER, 2326 Fairfield Avenue, Fort Wayne, Ind.
*Bryn Mawr-Intercollegiate Community Service Association Joint Fellow
 in Social Economy and Social Research, 1920-21.*

Practicum: The College Settlement, Philadelphia.

Preparation: A.B., Bryn Mawr College, 1916.

Position, 1917-19: Chief Clerk, Second District Exemption Board, Fort Wayne, Ind.

Position, 1921—: Registrar, Confidential Exchange, Cincinnati, Ohio, 1921-22; Executive Secretary, Social Service Exchange, Wilkes-Barre, Pa., 1923—.

RHODA ROBBINS, Lingedale, 10 Langdale Road, Sefton Park,
 Liverpool, England.

British Scholar in Social Economy, 1921-22.

Practicum: Conestoga Community Center.

Preparation: B.Sc., Liverpool University, 1912; M.Sc., 1914.

Position, 1918-21: Lecturer in Mathematics, Biology and Advanced Botany, Home and Colonial College, Wood Green, London, 1918-21.

HELEN ROSS, 5725 Kenwood Avenue, Chicago, Ill.
*Susan B. Anthony Memorial Scholar in Social Economy and Social
 Research, 1917-18.*

Student, London School of Economics, 1920-21.

Preparation: A.B. and B.S., University of Missouri, 1911; Graduate Student, University of Missouri, 1916-17.

Positions, 1911-17: Teacher of Latin and English, High School, Independence, Mo., 1911-16; Teacher of English and Supervisor, Evening School for Immigrants, Jewish Educational Institute, Kansas City, Mo., 1911-15; Teacher of English and History, High School, Columbia, Mo., 1916-17.

Position, 1918-20: Agent, United States Railway Administration, Women's Service Section, Division of Labor, 1918-20.

HELEN IVES SCHERMERHORN, 307 Park Street, Hackensack, N. J.
Carola Woerishoffer Fellow in Social Economy, 1920-21.

Practicum: Bryn Mawr Community Center.

Preparation: A.B., Vassar College, 1908; A.M., Columbia University, 1920.

Positions, 1909-15: Teacher, English and Geography, Brown School, Schenectady, N. Y., 1909-15; and in Academy for Girls, Albany, N. Y., 1916-19.

Position, 1921—: Principal, Night School for Foreign Born and Community Organizer, Hackensack, N. J., 1921—.

MARGARET HERTHA SCHOENFELD, 3448 Thirty-fourth Place, Washington, D. C.
Grace H. Dodge Scholar in Social Economy, 1921-22.

Practicum: T. E. Brown Manufacturing Company, Philadelphia;
 Dennison Manufacturing Company, Boston, Mass.; Bryn Mawr
 Community Center.

Preparation: A.B., George Washington University, 1918; M.A., 1920.

Positions, 1920-21: Clerk, Department of Agriculture, Washington, D. C., 1920; Clerk, United States Employees' Compensation, Washington, D. C., 1920-21; Assistant Field Agent, United States Social Hygiene Board, 1921.

PEMALA SHACKELFORD, 305 East Adams Street, Muncie, Ind.
Grace H. Dodge Scholar in Social Economy, 1921-22.

Practicum: Aberfoyle Manufacturing Company, Chester, Pa.;
 Strawbridge & Clothier, Philadelphia; Y. W. C. A., New York
 City.

Preparation: A.B., University of Missouri, 1921.

Position, 1922—: Industrial Secretary, Young Women's Christian Association, Muncie, Ind., 1922—.

BERTHA SHANEK, Odell, Nebr.
Grace H. Dodge Scholar in Social Economy, 1920-21.

Practicum: Edward G. Budd Company, Philadelphia.

Preparation: A.B., University of Nebraska, 1912; Student, Columbia University, summer session, 1916; Graduate Work in Slavonic Languages, University of Nebraska, 1916-18.

Positions, 1900-20: Teacher, Public Schools, Superior, Nebr., 1900-09; Teacher, High School, Hastings, Nebr., 1912-16; Teacher, Night School, Lincoln, Nebr., 1916-18; Teacher, University of Wyoming, 1918-20.

MARGUERITE LYONS SNIDER,.....Uniontown, Pa.
American Red Cross Scholar in Social Economy, 1920-21. *
Practicum: Rural Section, Southeastern Division, American Red Cross, Chester County, Pa.

Preparation: A.B., Vassar College, 1918.

Position, 1918-20: Case Worker, Fayette County American Red Cross, Uniontown, Pa., 1918-20.

Position, 1921—: Assistant Executive Secretary, American Red Cross, Uniontown, Pa., 1921—.

MARGUERITE SORBETS, *...18 Rue Diderot, Agen, Lot et Garonne, France.
Special French Scholar in Social Economy, 1919-20.

Practicum: The Aberfoyle Manufacturing Company, Chester, Pa.; The American Pulley Company, Philadelphia; Procter and Gamble, Port Ivory, Staten Island, N. Y.

Preparation: Baccalaureate, University of Bordeaux, 1919; Licence de Sciences.

Diplôme d'Ingenieur Chimiste.

VIRGINIA SPENCE, †.....3718 Cragmont Street, Dallas, Tex.
Grace H. Dodge Fellow in Social Economy, 1920-21.

Practicum: The Atlantic Refining Company, Philadelphia.

Preparation: A.B., University of Texas, 1917, and A.M., 1920. Scholar, National Training School, Young Women's Christian Association, New York City, summer, 1919.

Positions, 1917-20: Assistant Registrar, Agricultural and Mechanical College, College Station, Texas, 1917-18; Secretary, Army Training, Agricultural and Mechanical College, College Station, Texas, 1918-19; Girls' Work Secretary, Young Women's Christian Association, Austin, Texas, 1919-20; Student Assistant, Economic Department, University of Texas, 1919-20.

MARGARETTA PRICE STEVENSON,509 Poplar Street, Wamego, Kans.
Graduate Student, Social Economy; Social Research; Politics, 1918-19.
Practicum: The Bryn Mawr Community Center.

Preparation: A.B., University of Kansas, 1918.

Positions, 1919—: Organization of Community Work, Wamego, Kans., and Teacher of Latin and English, Wamego High School, 1919—.

LOUISE MAY TATTERSHALL,.....White Haven, Pa.
Scholar in Social Economy, 1919-20.

Practicum: The Edward G. Budd Manufacturing Company, Philadelphia; Vocational Direction in Social Institutions, Massachusetts.

Preparation: A.B., Barnard College, 1908.

Positions, 1914-19: Teacher of Mathematics, High School, White Haven, Pa., 1909-11; Teacher of Mathematics, Wykeham Rise, Washington, Conn., 1914-15; Teacher of Mathematics, Phoebe Ann Thorne School, Bryn Mawr, Pa., 9-6; Teacher of Mathematics, Kent Place School, Summit, N. J., 1916-17; Clerk, The American Telephone and Telegraph Company, New York City, 1917-19; Clerk, The American Red Cross, New York City, 1919.

Positions, 1920—: Director, Red Cross Placement Bureau for the Handicapped, St. Louis, Mo., 1920-21; Research Worker, Central Employment Bureau, Young Women's Christian Association, New York City, 1921—.

MARGUERITE SORBETS VEZES,.....See page 54.

EMMI WALDER,.....Männendorf, Zurichsee, Switzerland.
Grace H. Dodge Scholar in Social Economy, 1921-22.

Graduate Student, University of Zurich, 1922.

Practicum: A. M. Collins Company, Philadelphia; Notaseme Hosiery Company, Philadelphia; Westinghouse Lamp Company, Bloomfield, N. J.

Preparation: University of Zurich, 1919; University of Berne, 1919-20.

ISABEL KING WALLACE,.....1017 County Line Road, Bryn Mawr, Pa.
Grace H. Dodge Scholar in Social Economy, 1921-22.

Preparation: A.B., University of Rochester, 1916.

Position, 1922—: Demonstrator in Psychology, Bryn Mawr College, 1922—.

* Madame Jean Vezes.

† Mrs. Clifton L. Moss.

MILDRED MCCREARY WILLARD,.....Merion, Pa.
Graduate Scholar in Psychology; Social Economy and Social Research,
 1917—18.

Preparation: A.B., Bryn Mawr College, 1917, and M.A., 1918; Student, University of Pennsylvania, summer session, 1916.

Position, 1917-18: Teacher of Abnormal Children, Bryn Mawr School for Individual Development, Rosemont, December, 1917-18.

Positions, 1918—: Assistant Employment Manager, Strawbridge and Clothier Store, Philadelphia, Pa., 1918—; Psychometrist, U. S. Veterans' Bureau, Philadelphia, 1921—; Psychometrist, Children's Hospital, Philadelphia.

ADA GRISWOLD WILLIAMS,.....Portsmouth Terrace, Rochester, N. Y.
Grace H. Dodge Scholar in Social Economy, 1921-22.
Practicum: White Williams Foundation, Philadelphia.

Preparation: A.B., University of Wisconsin, 1921.

Positions, 1922—: Social Worker, Massachusetts General Hospital, 1922; Social Worker, Rochester Homeopathic Hospital, 1922—.

GRACE WILLIAMS,.....Y. W. C. A., 38 Lawrence Street, Lawrence, Mass.
Grace H. Dodge Scholar in Economy and Social Research, 1920-21.
Practicum: Leeds and Northrup Company, Philadelphia.

Preparation: B.Ph., Penn College, 1913.

Positions, 1906-20: Teacher, Public Schools, Oskaloosa, Iowa, 1906-08, 1910-11, 1913-14; General Secretary, Young Women's Christian Association, Muscatine, Iowa, 1915-17; Industrial Secretary, Young Women's Christian Association, Cedar Rapids, Iowa, 1917-20.

Positions, 1920—: Field Secretary, National Young Women's Christian Association for Maryland, Delaware, District of Columbia and Pennsylvania, 1921-22; General Secretary, Young Women's Christian Association, Lawrence, Mass., 1922—.

RUTH JACKSON WOODRUFF,.....Grant Building, 17th and Pine Streets,
 Philadelphia, Pa.
Graduate Scholar in Psychology; Social Economy, 1919-1920.

Preparation: A.B., Bryn Mawr, 1919.

Position, 1920—: Girls' Counselor of the Junior Employment Service of the Board of Education, cooperating with the White-Williams Foundation, Philadelphia, June, 1920—.

JOSEPHINE LUCILLE ZRUST,.....416 West 118th Street, New York City.
Susan B. Anthony Scholar in Social Economy and Social Research,
 1919-20.

Graduate Student, Columbia University, 1920—.

Practicum: Bryn Mawr Community Center.

Preparation: A.B., University of Nebraska, 1918, and A.M., 1919.

Position, 1919: Graduate Assistant in Slavonic Languages, University of Nebraska, Lincoln, Nebr., six months, 1919.

Position, 1920—: Czechoslovak Section, Foreign Language Information Service, American Red Cross, New York City, 1920—; Secretary for Czechoslovak Interests, National Young Women's Christian Association, New York City, 1921—.

Special Certificate in Social Economy.

War Emergency Course including four months' residence at Bryn Mawr College and four months in the field under the direction of the Carola Woerishoffer Department.

KATHERINE REYNOLDS BELL,.....See page 48.

MARION GRISWOLD BOALT,.....Y. W. C. A., Columbia, S. C.
Scholar in Social Economy, June, 1918-February, 1919.

Practicum: The Dennison Manufacturing Company, Framingham, Mass.; Joseph & Feiss Company, Cleveland, Ohio; The United States Employment Service, Philadelphia.

Preparation: Mount Holyoke College, 1900-03; A.B., Lake Erie College, 1904; Teachers College, 1914-15, and summer, 1915; University of Chicago, summer quarter, 1917.

Positions, 1904-18: Served in various capacities, Lake Erie College, 1904-05; Teacher, Wells College, 1905-11; Teacher, Mills College, 1911-18.

Positions, 1919—: Employment Department, Lindner's Store, Cleveland, Ohio, April-June, 1919; Field Supervisor of Employment, Young Women's Christian Association, Chicago, Ill., 1919-20; Employment Secretary, Young Women's Christian Association, Columbia, S. C., 1921—.

MARIE LOUISE BORNGESSER,.....Died, 1919.
Scholar in Social Economy and Social Research, February, 1919-October, 1919.

Practicum: The American International Shipbuilding Company, Hog Island, Philadelphia.

Preparation: B.S. in Education, University of Pennsylvania, 1918; University of Chicago, September-December, 1918; Bryn Mawr College, 1919.

Positions, 1913-18: Saleswoman, summer, 1913; Assistant Housemother, St. Stephen's Farm, summers, 1914 and 1915; bookkeeper, six weeks, 1916; Playground, Friends Neighborhood Guild, Philadelphia, summer, 1917; Recreation secretary, Tenth and Glenwood Avenues, Philadelphia, Young Women's Christian Association, summer, 1918.

GEORGIANA BUNTON,*.....1624 Niagara Avenue, Niagara Falls, N. Y.
Scholar in Social Economy, June, 1918-February, 1919.

Practicum: The Dennison Manufacturing Company, Framingham, Mass.; Bryn Mawr Community Center; Barrett Manufacturing Company, Philadelphia.

Preparation: A.B., Northwestern University, 1910. Three years' community experience.

Positions, 1919—: District Supervisor, Industrial Section of the Young Women's Christian Association, 1919-20; Volunteer Work for Community Center, Palmerton, Pa., 1920-22; Volunteer Work for Young Women's Christian Association, Niagara Falls, N. Y.

ALPHA BEATRICE BUSE,.....London School of Economics,
Kingsway, London, W. C., England.

Scholar in Social Economy and Social Research, October, 1918-June, 1919.

Graduate Student, London School of Economics, 1922-23.

Practicum: The Winchester Repeating Arms Company, New Haven, Conn.

Preparation: B.S., University of Montana, 1916.

Position, 1917-18: War Department, Division of Military Aeronautics, Washington, D. C., 1917-18.

Positions, 1919—: Industrial Investigator, Czecho-Slovakia Survey for the Government by the Young Women's Christian Association, Prague, 1919; Industrial Supervisor, Young Women's Christian Association, Paris, France, 1920-22.

HELEN ADELIA COOK,†.....Box 263, Millbrook, N. Y.
Scholar in Social Economy and Social Research, October, 1918-June, 1919.

Practicum: The Miller Lock Company, Philadelphia; The Notaseme Hosiery Company, Philadelphia; Edward G. Budd Manufacturing Company, Philadelphia.

Preparation: A.B., Mount Holyoke College, 1910; University of Washington, summer, 1915 and 1917.

Positions, 1912-18: Teacher, Mineville, N. Y., 1912; Teacher, Spring Hill, Pa., 1913; Teacher, Wenatchee, Wash., 1914-18; Mothers' Pension Bureau, Philadelphia, four months, 1918.

Positions, 1919-22: Director of Training, A. M. Collins Company, Philadelphia, Pa., 1919-20; Teacher, Bennett School of Liberal and Applied Arts, Millbrook, N. Y., 1920-22.

LAURA B. PADDOCK COOLBAUGH,.....See page 59.

EMMA GRETCHEN CORSTVET, ..553 Twenty-eighth Avenue, Milwaukee, Wis.
Scholar in Social Economy and Social Research, October, 1918-June, 1919.

Practicum: The Miller Lock Company, Philadelphia; Women's Trade Union League, Boston, Mass.; Women's Trade Union League, Philadelphia.

Preparation: A.B., University of Wisconsin, 1918.

Positions, 1918: Library work one summer; with the Wisconsin Industrial Commission a

* Mrs. Robert A. Montgomery.

† Mrs. Charles C. Mitchell.

short time; Munition Factory Investigations for Woman's Division, Ordnance Department, summer, 1918; knitting mill, several months.
Positions, 1919—: Assistant Educational Director, Edward Schuster and Company, 1919; Employment Manager, Edward Schuster and Company, 1920—.

HELEN ROWENA DAVIDSON, * 2955 Yorkship Square, Camden, N. J.
Scholar in Social Economy, October, 1918–June, 1919.

Practicum: Sutro Hosiery Company, Philadelphia; Connecticut Mills, Danielson, Conn.; Krompton Knowles Loom Works, Worcester, Mass.

Preparation: A.B., University of Idaho, 1918.

Positions, 1915–18: Teacher, High School, Reubens, Idaho, 1915–16; Saleswoman, summer, 1918; with the Wylie Permanent Camping Company, Yellowstone Park, summer, 1916.
Positions, 1919—: Research Worker, Philadelphia Associated Day Nurseries, Philadelphia, 1919; Assistant Educational Director, Atlantic Refining Company, Philadelphia, 1920–22.

MARY DINSMORE, 617 E Street, Marysville, Calif.
Scholar in Social Economy and Social Research, June, 1918–February, 1919

Practicum: The Scovill Manufacturing Company, Waterbury, Conn.; The American International Shipbuilding Corporation, Hog Island, Philadelphia.

Preparation: A.B., Mills College, 1916.

Positions, 1916–18: Business experience, 1916–17; Community organization, 1917–18.

Position, 1919–20: Research Assistant to Mr. Dudley Kennedy, Counsel and Practical Adviser in Labor Employment and Industrial Relations Problems, Philadelphia, Pa., 1919–20.

JEANNETTE WHITE FARMER, See page 61.

ESTELLE S. FRANKFURTER, . . . 1699 Cambridge Street, Cambridge, Mass.
Scholar in Social Economy, February–October, 1919.

Graduate Student, London School of Economics, 1919–20; Harvard University, 1921–22.

Practicum: The Atlantic Refining Company, Philadelphia.

Preparation: A.B., Radcliffe College, 1918; Hunter College, 1913–15.

Positions, 1918: Operator, Holtzer-Cabot Company, three months; Junior Examiner, The United States Employment Service, Boston, six weeks.

Positions, 1920—: Women's Trade Union League, 1920–21; Tutor, Bryn Mawr Summer School, 1921; Investigator, Massachusetts Minimum Wage Commission, 1922—.

HARRIET LAURA HERRING, Kinston, N. C.
Scholar in Social Economy and Social Research, June, 1918–February, 1919.

Practicum: The Winchester Repeating Arms Company, New Haven, Conn.; The United States Cartridge Company, Lowell, Mass.; The United States Employment Service, Philadelphia.

Preparation: A.B., Meredith College, 1913; A.M., Radcliffe College, 1918; University of California, summer, 1915; University of North Carolina, summer, 1916.

Positions, 1914–17: Teacher of History and Government, High School, Scotland Neck, N. C., 1914–15; Teacher of History and English, Chowman Institute, Murfreesboro, N. C., 1915–17.

Position, 1919—: Employment Manager, Roxford Knitting Mill, Philadelphia, Pa., May–November, 1919.

CAROLYN MATILDA KRANZ, Hendersonville, Tenn.
Scholar in Social Economy, February–October, 1919.

Practicum: The Scott Company; The Barrett Manufacturing Company, Philadelphia.

Preparation: A.B., George Peabody College for Teachers, 1911; University of Georgia, summer, 1917.

Positions, 1913–18: Teacher of Languages, Central High School, Gallatin, Tenn., 1913–18; Assistant Registrar, Peabody College, summers, 1913 and 1914; Clerk, United States Federal Food Administrator's Office, Nashville, Tenn., summer, 1918.

Position, 1919—: Supervisor of Instruction, the Cumberland Telephone and Telegraph Company, Nashville, Tenn., 1919—.

* Mrs. Oscar S. Nelson.

MABEL MAY KROH, Hickey-Freeman Company, Rochester, N. Y.
Scholar in Social Economy and Social Research, February-October, 1919.
Practicum: Fayette R. Plumb Company, Philadelphia; Art-in-Buttons, Rochester, N. Y.

Preparation: A.B., University of Idaho, 1912, Graduate Student, 1917-18.
Positions, 1912-18: Teacher, rural schools, 1912-13 and 1914-15; grade schools, 1913-14 and 1916-17; Republican candidate for County Treasurer, 1918.
Position, 1919—: Assistant in Labor Department, Hickey-Freeman Company, Rochester, N. Y., 1919—.

NAOMI LIGHT, 1010 Clinton Street, Philadelphia, Pa.
Scholar in Social Economy, June, 1918-February, 1919.
Practicum: Lewis Manufacturing Company, Walpole, Mass.; University of Pennsylvania Hospital Social Service Department, social case work; The United States Employment Service, Philadelphia.

Preparation: A.B., University of Kansas, 1914, and A.M., 1915.
Positions, 1910-18: Four summers' industrial experience, 1910-14; Teacher, High School, 1916-18.
Positions, 1919—: Assistant in the Industrial Accident Ward of the Episcopal Hospital, Philadelphia, 1919; Assistant Employment Manager and Employment Manager, Notaseme Hosiery Company, Philadelphia, 1919—.

CATHERINE McCausland, 151 Maple Street, Springfield, Mass.
Scholar in Social Economy, February-October, 1919.
Practicum: The Aberfoyle Manufacturing Company, Philadelphia, Pa.; Walter Dill Scott Company, Philadelphia.

Preparation: A.B., Mount Holyoke College, 1918; University of Chicago, 1914-15, and summer, 1918.
Position, 1918: Social Service (Civilian Relief) with Red Cross, Boston, two months, 1918.
Position, 1919—: Employment Manager, The Milton Bradley Company, Springfield, Mass., 1919—.

DOROTHY McDOWELL, 1506 Pine Street, Philadelphia, Pa.
Scholar in Social Economy, February-October, 1919.
Graduate Fellow and Reader of History, Mt. Holyoke College, 1921-23.
Practicum: The Sutro Hosiery Company, Philadelphia; The Miller Lock Company, Philadelphia.

Preparation: A.B., Mount Holyoke College, 1918.
Positions, 1919—: Research Worker, D. R. Kennedy, Industrial Consultant, Philadelphia, Pa., 1919-20; Teacher of History, Chicago Latin School for Girls, Chicago, Ill., 1920-21.

FLORENCE REYNOLDS MASON, * Box 1044, New Haven, Conn.
Scholar in Social Economy and Social Research, February-October, 1919.
Practicum: The A. M. Collins Company, Philadelphia; Acme Wire Company, New Haven, Conn.

Preparation: A.B., Elmira College, 1918.
Positions, 1915-17: Addressograph Operator, American Sales Book Company, Elmira, N. Y., 1915-16; Nature Study Class, Young Women's Christian Association, summer camp, Altamont, N. Y., 1917-18; Case Worker, Elmira Federation for Social Service, six months, 1918; two summers' work, operator in a manufacturing plant; Clerk in Telegraph Office, Pennsylvania Railroad, Elmira, N. Y., four months, 1918-19.
Positions, 1919—: Research Assistant, Carola Woerishoffer Department, Bryn Mawr College, Bryn Mawr, Pa., 1919-20; Research Worker, Written Standard Practice, United States Rubber Company, Williamsport, Pa., 1920-22; Independent Business, 1922—.

KATHERINE W. STELLE MILLER, See page 60.

HELEN ADELIA COOK MITCHELL, See page 56.

GEORGIANA BUNTON MONTGOMERY, See page 56.

* Mrs. John David Plant.

BERTHA MOREHOUSE, 3117 Franklin Avenue, Cleveland, Ohio.
Scholar in Social Economy and Social Research, February-October, 1919.
Practicum: The Midvale Steel Company, Philadelphia; The Acme Wire Company, New Haven, Conn.

Preparation: A.B., Ohio Wesleyan, 1914; Ohio Northern University, summer, 1915; Bowling Green State Normal School.

Positions, 1912-19: Teacher of English, Government Schools, Porto Rico, 1912-13; Teacher of English and Latin, Union Township High School, Mt. Cory, Ohio, 1914-16; Brown Township High School, Kilbourne, Ohio, 1916-17; Franklin High School, Franklin, Ohio, 1917-19.

Positions, 1919—: Factory Operator, The Acme Wire Company, New Haven, Conn., 1919-20; Apprentice, Joseph and Feiss, Cleveland, Ohio, 1920-21; Teacher, Cleveland, Ohio, 1921—.

HELEN DAVIDSON NELSON, See page 57.

ESTELLE GENEVA NISSON, 2500 North Main Street, Santa Ana, Calif.
Scholar in Social Economy, October, 1918-June, 1919.

Practicum: John Wanamaker Store, Philadelphia; The Hood Rubber Company, Watertown, Mass.; William Filene Sons, Boston, Mass.

Preparation: A.B., Stanford University, 1918; Pomona College, 1914-15; University of California, 1915-16.

Positions, 1919—: Investigator, Retail Research Association, New York City, 1919-21; Independent Business, 1923—.

HELEN SCHUYLER OPP, 133 Delaware Street, Syracuse, N. Y.
Scholar in Social Economy and Social Research, June, 1918-February, 1919.

Practicum: The McElwain Shoe Company, Manchester, N. H.; Winchester Repeating Arms Company, New Haven, Conn.; Edward G. Budd Motor Manufacturing Company, Philadelphia.

Preparation: A.B., Goucher College, 1909; Cornell University, summer, 1911; University of Pennsylvania, 1914-17 (one course each year).

Positions, 1910-18: Teacher, High School, Kingston, Pa., 1910-12; Teacher, High School, Lewistown, Pa., 1912-13; Teacher, West Philadelphia High School for Girls, 1913-18.

Positions, 1919—: Assistant to Safety Engineer, Semet-Solway Company, Syracuse, N. Y., 1919-22; Independent Business, 1922—.

JEANETTE CAROLINE OWENS, 407 Sixth Street, Lewisburg, Pa.
Scholar in Social Economy, June, 1918-February, 1919.

Practicum: General Electric Company, Lynn, Mass.; The Fayette R. Plumb Company, Philadelphia.

Preparation: Bachelor of Biological Science, Bucknell University, 1917.

Position, 1917-18: Teacher, High School, Stroudsburg, Pa., 1917-18.

Positions, 1919—: Assistant to Employment Manager, Sun Shipbuilding Company, Chester, Pa., 1919; Quilling Department, Aberfoyle Manufacturing Company, Chester, Pa.; Teacher, Industrial Department, Chester High School, 1919-20; Teacher of Science, High School, Williamsport, Pa., 1920—.

LAURA BELL PADDOCK,*, 19 South 37th Street, Philadelphia, Pa.
Scholar in Social Economy, October, 1918-June, 1919.

Practicum: The American International Shipbuilding Company, Hog Island, Philadelphia; Plimpton Press, Norwood, Mass.; Bird & Co., Walpole, Mass.

Preparation: A.B., University of Minnesota, 1910.

Positions, 1910-18: Assistant Principal, Mora High School, Minn., 1910-12; Principal, Monticello High School, Minn., 1912-13; Principal, Delano High School, Minn., 1913-18.

Positions, 1919—: Industrial Editorial Writer, Collins Industrial Council, A. M. Collins Manufacturing Company, Philadelphia, June, 1919-22; Field Investigator, United States Coal Commission, 1923—.

* Mrs. Kenneth M. Coolbaugh.

ELINOR PANCOAST, 1707 Rittenhouse Street, Philadelphia, Pa.
Scholar in Social Economy, October, 1918-June, 1919.

Graduate Student, University of Chicago, 1921-23.

Practicum: Notaseme Hosiery Company, Philadelphia; Scovill Manufacturing Company, Waterbury, Conn.; Acme Wire Company, New Haven, Conn.

Preparation: Ph.B., University of Chicago, 1917; University of Texas, 1911-13, and summer, 1916.

Positions, 1915-18: Teacher of Latin and History, High School, Henrietta, Texas, 1913-16; Teacher of Latin, High School, Wichita Falls, Texas, 1917-18; Clerk, Hotel Cole, Big Spring, Texas, summers, 1914 and 1915, and assistant manager, summer, 1918.

Position, 1919—: Industrial Service Department, The A. M. Collins Company, Philadelphia, December, 1919-21.

FLORENCE REYNOLDS MASON PLANT, See page 58.

MARY CHRISTINE SCHAUFFLER, ... 10 Court Street, Newburyport, Mass.
Scholar in Social Economy, February-October, 1919.

Practicum: The Miller Lock Company, Philadelphia.

Preparation: A.B., Western Reserve University, 1910; Columbia University, summer, 1914; University of Chicago, summer, 1911 and summer, 1916.

Positions, 1910-18: Teacher of English and Mathematics, High School, New Philadelphia, Ohio, 1910-17; head of English work, High School, New Philadelphia, Ohio, 1917-18.

Positions, 1920—: Director of Service Work, Bay State Cotton Corporation, Newburyport, Mass., 1920-22; Supervisor of Service, International Cotton Mills, Lowell, Mass., 1922—.

EVELYN STADLER,* 5412 Cabanne Avenue, St. Louis, Mo.
Scholar in Social Economy, February-October, 1919.

Practicum: Notaseme Hosiery Company, Philadelphia; Art-in-Buttons Company, Rochester, N. Y.

Preparation: Pension at Heasling, Dresden, Germany, 1911-12; Harris Teachers College, St. Louis, 1913-15; University of Missouri, 1917-19, B.S. in Education, 1919.

Positions, 1915-17: Substitute Teacher, St. Louis Public Schools, 1915-16; Teacher, Emerson School, St. Louis, 1916-17.

Position, 1919—: Employment Manager of Women, Standard Mill, American Manufacturing Company, St. Louis, Mo., 1919—.

KATHERINE BEATRICE STELLE,†, 168 Main Street, Flemington, N. J.
Scholar in Social Economy, October, 1918-June, 1919.

Practicum: The Atlantic Refining Company, Philadelphia; The Winchester Repeating Arms Company, New Haven, Conn.; Acme Wire Company, New Haven, Conn.

Preparation: A.B., Mount Holyoke College, 1918.

Positions, 1919—: Employment Department, The Aberfoyle Manufacturing Company, Philadelphia, Pa.; General and Industrial Secretary, North American Lace Company; Branch, Germantown Young Women's Christian Association, Germantown, Pa., 1919-20; Assistant Supervisor of Employment, The L. K. Liggett Company, New York City, October, 1920-22.

HALLIE UNA STILES, 98 Burnett Street, East Orange, N. J.
Scholar in Social Economy, October, 1918-June, 1919.

Practicum: The Barrett Manufacturing Company, Philadelphia; Pennsylvania Department of Labor and Industry, Factory Inspection, Philadelphia; United States Employment Service, Philadelphia.

Preparation: A.B., Albion College, 1916.

Positions, 1916-18: Librarian, Detroit Young Women's Christian Association, 1916-17, and Industrial Secretary, 1917-18; Assistant Bookkeeper and Stenographer, Peoples Exchange Bank, Russellville, Ark., 1908-12; Shop Practice, American Car and Foundry, Detroit, summer, 1918.

Positions, 1919—: Employment Manager, Notaseme Hosiery Company, 1919; Financial Adjustment Division, Social Service Department, Episcopal Hospital, Philadelphia, two months, 1919; Assistant to Credit Manager, A. B. Kirschbaum Company, Philadelphia, 1919-20; Educational Instructor of Office Employees, L. Bamberger and Company, Newark, N. J., 1920—.

* Mrs. Philip Hammer.

† Mrs. Edward W. Miller.

JEANETTE OLIVIA WHITE,* 102 East 18th Street, Tulsa, Okla.
Scholar in Social Economy, June, 1918-February, 1919.

Practicum: The Hood Rubber Company, Watertown, Mass.; The United States Employment Service, Philadelphia.

Preparation: A.B., University of Missouri, 1917; University of Oklahoma, summer, 1916.
Position, 1917-18: Teaching.

Position, 1919-20: Industrial Surveyor, Industrial Section of the Young Women's Christian Association, New York, 1919-20.

MARGARET THOMPSON WELLS WOOD,† . . . 20-A Walnut Street, Summit, N. J.
Scholar in Social Economy, October, 1918-June, 1919.

Practicum: A. M. Collins Company, Philadelphia; Industrial Division, Young Women's Christian Association.

Preparation: A.B., Mount Holyoke College, 1906.

Positions, 1906-17: Instructor, Mathematics and Biology, Ellsworth College, Iowa Falls, Iowa, 1906-08; Instructor, College Entrance Mathematics, Gilbert School, Winsted, Conn., 1908-11; Instructor, College Entrance Mathematics, High School, New Britain, Conn., 1913; Instructor in Mathematics and Vice-Principal, High School, Derby, Conn., 1913-18; work in mills, summers, 1900-17.

Positions, 1919—: Director, Department of Coöperation with Employers, National Board, Young Women's Christian Association, New York City, 1919-21; Industrial Survey, Foreign Department, Young Women's Christian Association, Japan, 1921—.

STUDENTS FOR THE YEAR 1922-23.

HELENA MYRL BARNES, 234 Zoar Street, Elmira, N. Y.
Carola Woerishoffer Scholar in Social Economy, 1922-23.

Practicum: Bryn Mawr Community Center; Philadelphia Young Women's Christian Association; Philadelphia College Settlement.

Preparation: B.S., Elmira College, 1922.

FLORA McIVER BARRINGER, Box 213, Florence, S. C.
Graduate Student, Social Economy, 1922-23.

Practicum: Society for Organizing Charity, Philadelphia.

Preparation: B.A., Converse College, 1922.

PERSIA CRAWFORD CAMPBELL, Sydney, Australia.
British Scholar in Social Economy and Social Research, 1922-23.

Preparation: B.A., Sydney University, 1917; M.A., 1919; M.Sc., London School of Economics, 1922.

Position, 1919-20: Teacher, Presbyterian Ladies' College, Sydney, Australia.

FRIEDA OPAL DANIEL, 427 North Filmore Street, Osceola, Iowa.
Carola Woerishoffer Fellow in Social Economy and Social Research, 1922-23.

Preparation: A.B., Drake University, 1916; Graduate Student, University of Chicago, 1916-18.

Positions, 1918-22: Resident and Supervisor of Evening Work, Chase Settlement House, Chicago, Ill., January-July, 1918; Field Investigator, Stock Yards Community Clearing House, Chicago, Ill., April-September, 1918; Special Agent, United States Bureau, Labor Statistics, Washington, D. C., 1918-19; Field Visitor, American Red Cross, Chicago, Ill., June-November, 1919; Assistant Secretary, Dr. E. S. Ames, University of Chicago, 1919-21; Assistant Inspector, Bureau Internal Revenue, Labor Tax Division, Washington, D. C., 1919-22.

GAIL FINLEY, 1633 East 4th Street, Santa Ana, Calif.
Graduate Student, Social Economy, 1922-23.

Practicum: Atlantic Refining Company, Philadelphia; T. E. Brown & Co., Philadelphia; Filene Sons, Boston.

Preparation: B.S., Monmouth College, 1918.

Positions, 1919-22: Assistant Secretary, Santa Ana Walnut Growers' Association, Santa Ana, California, 1919-20; Clerk, Gift Suggestions Bureau, Marshall Field Company, Chicago, Ill., 1920-21; Teacher of Mathematics and General Science, High School, Oaklawn, Ill., 1921; Teacher of Mathematics, High School, Santa Ana, Calif., 1921-22.

* Mrs. J. Clifford Farmer.

† Mrs. Margaret Wells Wood.

HELEN W. GIFFORD, 82 North Street, New Bedford, Mass.
Graduate Student, Social Economy, 1922-23.

Practicum: T. E. Brown & Company, Philadelphia; John Wanamaker, Philadelphia.

Preparation: A.B., Vassar College, 1915; B.S., Simmons College, 1917.

Position, 1917-22: Industrial Secretary, New Bedford Young Women's Christian Association, New Bedford, Mass., 1917-22.

BESSIE LOUISE HALL, Bridgewater, Nova Scotia.
Carola Woerishoffer Fellow in Social Economy and Social Research, 1922-23.

Practicum: White-Williams Foundation, Philadelphia.

Preparation: B.A., Dalhousie University, 1916; M.A., University of Toronto, 1921.

Positions, 1916-20: Teacher of Science and Latin, High School, Nova Scotia, 1916-18; Volunteer Aid Division Nurse, 1918-19; Teacher, Alberta, Canada, 1919-20.

MARJORY EVEREST HENDRICKS,

1516 Webster Street, N. W., Washington, D. C.

Robert G. Valentine Scholar in Social Economy, 1922-23.

Practicum: Aberfoyle Manufacturing Company, Philadelphia; Macy's, New York.

Preparation: A.B., University of Wisconsin, 1918; New York School of Social Work, Summer, 1919; Graduate Student, University of Wisconsin, Summer, 1922.

Positions, 1918-22: Editorial Clerk and Acting Chief of Publication Section, United States Bureau of Standards, Washington, D. C., 1918-19; Case Correspondent, Head of Information Service, American Red Cross, Insular and Foreign Division, Washington, D. C., 1919-20; Case Worker, Associated Charities, Washington, D. C., 1921-22.

RUTH HIBBARD, 1307 Wilson Avenue, Columbia, Mo.

Grace H. Dodge Scholar in Social Economy, 1922-23.

Practicum: Notaseme Hosiery Company, Philadelphia; A. M. Collins Manufacturing Company; Lord and Taylor's, New York.

Preparation: A.B., University of Missouri, 1922.

ETHEL HINDS, 1315 Irving Street, Washington, D. C.

Grace H. Dodge Scholar in Social Economy, 1922-23.

Practicum: Children's Bureau, Philadelphia.

Preparation: A.B., Swarthmore College, 1922.

HENRIETTE PIERROT, 2 rue des Handriettes, 13^e, Paris, France.

French Scholar, 1922-23.

Preparation: La Sorbonne, Paris, 1915-18; Licence ès lettres, University of Paris, 1916; Diplôme d'études Supérieures de philosophie, 1917, and Certificat d'études Supérieures d'embryologie, 1918; Student of Painting and Decoration, 1918-22.

ROSEMARY DOROTHY REINHOLD, 189 Harbor Street, Glencoe, Ill.

Carola Woerishoffer Scholar in Social Economy, 1922-23.

Practicum: Bryn Mawr Community Centre; Philadelphia Young Women's Christian Association.

Preparation: A.B., Northwestern University, 1916; Graduate Student, Summer School, Northwestern University, 1920.

Positions, 1916-22: Teacher of German and Sciences, Stockland High School, Stockland, Ill., 1916-17; Teacher of German, Spanish and Mathematics, High School, Clear Lake, Iowa, 1917-19; Teacher of Spanish, Physical Training and Mathematics, Junior High School, Flagstaff, Arizona, 1919-22.

MARY CLAYTON SUMNER, "Old Strong House," Amherst, Mass.

Carola Woerishoffer Fellow in Social Economy and Social Research, 1922-23.

Practicum: Society for Organizing Charity, Philadelphia; Nervous and Mental Disease Clinic, Pennsylvania Hospital, Philadelphia.

Preparation: B.A., Newcomb College, Tulane University, 1917; Graduate Student and Fellow in Psychology, Tulane University, 1917-19.

Positions, 1917-22: Editorial staff, *Times-Picayune*, New Orleans, La., 1917-18; Teacher of English, Newman Manual Training School, 1919; Publicity Director, Northeast Field, National Board, Young Women's Christian Association, New York City, 1919-21; Member of Reviewing Staff, American Institute of Medicine, New York City, 1921-22; Executive Secretary, International Serbian Educational Committee, New York City, 1922.

CONSTANCE ELIZABETH MARY WILDE,
Carr Lane, Greenfield, near Oldham, England.
British Scholar in Social Economy, 1921-22.
Grace H. Dodge Fellow in Social Economy and Social Research,
1922-23.
Practicum: Lord and Taylor's, New York; Macy's, New York;
John Wanamaker's, Philadelphia.
Preparation: B.Com., University of Manchester, 1919; M.Com., 1920.
Position, 1919-21: Assistant Lecturer in Economics, Huddersfield Technical College,
England, 1919-21.

BRYN MAWR COLLEGE

CALENDAR

GRADUATE COURSES

1923

BRYN MAWR, PENNSYLVANIA.

Published by Bryn Mawr College.

Vol. XVI. Part 2. March, 1923.

Entered as second-class matter, March 23rd, 1908, at the post-office, Bryn Mawr, Pennsylvania, under Act of July 16th, 1894.

Printed by The John C. Winston Co.,
Philadelphia, Pa.

BRYN MAWR COLLEGE CALENDAR.

1923.

- PART 1. Announcement of Carola Woerishoffer Department.
- PART 2. Graduate Courses.
- PART 3. Undergraduate and Graduate Courses.
- PART 4. Academic Buildings and Halls of Residence,
Plans and Descriptions.

BRYN MAWR COLLEGE.

COLLEGE CALENDAR

1923.														1924.														1925.													
JANUARY							JULY							JANUARY							JULY							JANUARY													
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S							
	1	2	3	4	5	6	1	2	3	4	5	6	7									1	2	3	4	5															
7	8	9	10	11	12	13	8	9	10	11	12	13	14	6	7	8	9	10	11	12	6	7	8	9	10	11	12	4	5	6	7	8	9	10							
14	15	16	17	18	19	20	15	16	17	18	19	20	21	13	14	15	16	17	18	19	13	14	15	16	17	18	19	11	12	13	14	15	16	17							
21	22	23	24	25	26	27	22	23	24	25	26	27	28	20	21	22	23	24	25	26	20	21	22	23	24	25	26	18	19	20	21	22	23	24							
28	29	30	31				29	30	31					27	28	29	30	31			27	28	29	30	31			25	26	27	28	29	30	31							
FEBRUARY							AUGUST							FEBRUARY							AUGUST							FEBRUARY													
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MARCH							SEPTEMBER							MARCH							SEPTEMBER							MARCH													
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18	19	20	21	22	23	24	16	17	18	19	20	21	22	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	15	16	17	18	19	20	21						
25	26	27	28	29	30	31	30	24	25	26	27	28	29	30	31						28	29	30					29	30	31											
APRIL							OCTOBER							APRIL							OCTOBER							APRIL													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30											
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MAY							NOVEMBER							MAY							NOVEMBER							MAY													
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JUNE							DECEMBER							JUNE							DECEMBER							JUNE													
	3	4	5	6	7	8	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29							
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24	25	26	27	28	29	30	23	24	25	26	27	28	29	29	30						28	29	30	31				28	29	30											

The academic year will close with the Conferring of Degrees at eleven o'clock, on June 5, 1924.

ACADEMIC YEAR, 1923-24.

September 24th.	Matriculation examinations begin.
October 1st.	Registration of students. Halls of Residence open for students at three p. m.
October 2nd.	Registration of students. Matriculation examinations end.
October 3rd.	The work of the thirty-ninth academic year begins at a quarter to nine o'clock.
October 4th.	Examinations for advanced standing begin.
October 6th.	Language examinations for undergraduates taking Annual language.
October 13th.	Examination in French for Seniors. Language examinations for Juniors. M.A. Language examinations.
October 20th.	Examination in German for Seniors.
October 25th.	Examinations for advanced standing end.
November 19th.	Collegiate and matriculation condition examinations begin.
November 24th.	M.A. Language examinations.
November 27th.	Collegiate and matriculation condition examinations end.
November 28th.	Thanksgiving vacation begins at one o'clock.
December 3rd.	Thanksgiving vacation ends at nine o'clock.
December 8th.	Senior examination in French. Ph.D. Language examinations.
December 15th.	Senior examination in German.
December 20th.	Christmas vacation begins at one o'clock.
January 5th.	Christmas vacation ends at nine o'clock. Lectures given on Saturday.
January 22nd.	Ph.D. Language examinations.
January 23rd.	Half-yearly collegiate examinations begin.
February 2nd.	Collegiate examinations end. Annual meeting of the Alumnae Association.
February 4th.	Vacation.
February 5th.	Vacation.
February 6th.	The work of the second semester begins at a quarter to nine o'clock.
February 7th.	Examinations for advanced standing begin.
February 29th.	Examinations for advanced standing end.
March 8th.	Senior examination in French.
March 15th.	Senior examination in German.
March 17th.	Collegiate and matriculation condition examinations begin.
March 19th.	Mid-semester examination in matriculation Greek.
March 21st.	Announcement of European Fellowships.
March 25th.	Collegiate and matriculation condition examinations end.

March 26th.	Spring vacation begins at one o'clock.
April 2nd.	Spring vacation ends at nine o'clock.
April 5th.	Ph.D. Language examinations.
April 18th.	Good Friday. Vacation.
May 10th.	Examinations in French and German for Seniors.
	Examination in French for Juniors.
May 17th.	Examination in German for Juniors.
May 20th.	Vacation.
May 21st.	Collegiate examinations begin.
May 27th.	Matriculation examinations begin.
May 31st.	Collegiate examinations end
June 3rd.	Matriculation examinations end.
June 5th.	Conferring of degrees and close of thirty-ninth academic year.

ACADEMIC YEAR, 1924-25.

September 22nd.	Matriculation examinations begin.
September 29th.	Registration of students. Halls of Residence open for students at three p. m.
September 30th.	Registration of students.
	Matriculation examinations end.
October 1st.	The work of the fortieth academic year begins at a quarter to nine o'clock.
October 2nd.	Examinations for advanced standing begin.
October 4th.	Language examinations for undergraduates taking Annual language.
October 11th.	Examination in French for Seniors.
	Language examinations for Juniors.
	M.A. Language examinations.
October 18th.	Examination in German for Seniors.
October 23rd.	Examinations for advanced standing end.
November 17th.	Collegiate and matriculation condition examinations begin.
November 22nd.	M.A. Language examinations.
November 25th.	Collegiate and matriculation condition examinations end.
November 26th.	Thanksgiving vacation begins at one o'clock.
December 1st.	Thanksgiving vacation ends at nine o'clock.
December 6th.	Senior examination in French.
	Ph.D. Language examinations.
December 13th.	Senior examination in German.
December 20th.	Christmas vacation begins at one o'clock.
January 6th.	Christmas vacation ends at nine o'clock.
January 20th.	Ph.D. Language examinations.
January 21st.	Half-yearly collegiate examinations begin.
January 31st.	Collegiate examinations end.
	Annual meeting of the Alumnæ Association.

February 2nd.	Vacation.
February 3rd.	Vacation.
February 4th.	The work of the second semester begins at a quarter to nine o'clock.
February 5th.	Examinations for advanced standing begin.
February 26th.	Examinations for advanced standing end.
March 14th.	Senior examination in French.
March 16th.	Collegiate and matriculation condition examinations begin.
March 18th.	Mid-semester examination in matriculation Greek.
March 20th.	Announcement of European Fellowships.
March 21st.	Senior examination in German.
March 24th.	Collegiate and matriculation condition examinations end.
March 25th.	Spring vacation begins at one o'clock.
April 1st.	Spring vacation ends at nine o'clock.
April 4th.	Ph.D. Language examinations.
April 10th.	Good Friday. Vacation.
May 9th.	Examinations in French and German for Seniors.
	Examination in French for Juniors.
May 16th.	Examination in German for Juniors.
May 19th.	Vacation.
May 20th.	Collegiate examinations begin.
May 26th.	Matriculation examinations begin.
May 30th.	Collegiate examinations end.
June 2nd.	Matriculation examinations end.
June 4th.	Conferring of degrees and close of fortieth academic year.

OFFICERS OF ADMINISTRATION.

ACADEMIC YEAR, 1922-23.

President,

MARION EDWARDS PARK, PH.D. Office: Taylor Hall.

President Emeritus,

M. CAREY THOMAS, PH.D., LL.D., I.H.D.

Acting Dean of the College,

ELEANOR BONTECOU, A.B., J.D. Office: Taylor Hall.

Recording Dean and Assistant to the President,

ISABEL MADDISON, B.Sc., PH.D. Office: Taylor Hall.

Secretary and Registrar of the College,

EDITH ORLADY, A.B. Office: Taylor Hall.

Wardens of the Halls of Residence.

FRIEDRIKA MARGRETHA HEYL, A.B., Radnor Hall.

MARY SUMMERFIELD GARDINER, A.B., Denbigh Hall.

LOUISE FROST HODGES, A.B., Pembroke Hall East.

LOUISE BULKELEY DILLINGHAM, A.B., Rockefeller Hall.

ELLEN FAULKNER, A.B., Merion Hall.

HILDA WALTON, Pembroke Hall West.

Comptroller,

SANDY LEE HURST. Office: Taylor Hall.

Superintendent,

JOHN J. FOLEY. Office: Rockefeller Hall.

Librarian,

LOIS ANTOINETTE REED, A.B., B.L.S. Office: The Library.

Director of Physical Training and Supervisor of Health,

CONSTANCE M. K. APPLEBEE. Office: The Gymnasium.

Physician-in-Chief,

THOMAS F. BRANSON, M.D. Rosemont, Pa.

Resident Physician,

MINTA PROCTOR KEMP, M.D., 1905 Infirmary, Bryn Mawr. Office: The Infirmary, Bryn Mawr College.

Examining Oculist,

HELEN MURPHY, M.D. 1427 Spruce Street, Philadelphia.

ACADEMIC APPOINTMENTS.

ACADEMIC YEAR, 1922-23.

MARION EDWARDS PARK, Ph.D., *President of the College.*

A.B., Bryn Mawr College, 1898, M.A., 1899, and Ph.D., 1918. Holder of the Bryn Mawr European Fellowship, 1898-99, and Graduate Student, Bryn Mawr College, 1898-99, 1912-14, 1916-17; American School of Classical Studies, Athens, Greece, 1901-02; Instructor in Classics, Colorado College, 1902-06, and Assistant Professor of Classics, 1914-15; Teacher in Miss Wheeler's School, Providence, R. I., 1906-09; Acting Dean of Bryn Mawr College, 1911-12; Acting Dean of Simmons College, 1918-21; Dean of Radcliffe College, 1921-22.

M. CAREY THOMAS, Ph.D., LL.D., L.H.D., *President Emeritus of the College.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-81; Ph.D., University of Zurich, 1882. Student in the Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94; President of the College and Professor of English, 1894-1922.

ELEANOR BONTECOU, A.B., J.D., *Acting Dean of the College.*

A.B., Bryn Mawr College, 1913; J.D., New York University Law School, 1917. Warden of Denbigh Hall, 1913-14; Teacher in Miss Beard's School, Orange, N. J., 1914-15; Private Secretary, 1915-16; Private Tutor, 1916-17; Student, New York University Law School, 1914-17; Admitted to New York Bar, 1919, and Attorney and Counsellor-at-Law, New York City, 1919-22.

ISABEL MADDISON, B.Sc., Ph.D., *Recording Dean and Assistant to the President.*

Reading, England. B.Sc., University of London, 1893; Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Girton College, University of Cambridge, England, 1889-92; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate in Honours, Final Mathematical Schools, University of Oxford, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93; and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship and Student in Mathematics, University of Göttingen, 1894-95.

CHARLOTTE ANGAS SCOTT, D.Sc., *Alumnæ Professor of Mathematics.*

Lincoln, England. Graduate in Honours, Girton College, University of Cambridge, England, 1880; B.Sc., University of London, 1882; Lecturer on Mathematics in Girton College, 1880-84; lectured in connection with Newnham College, University of Cambridge, England, 1880-83; D.Sc., University of London, 1885.

FLORENCE BASCOM,* Ph.D., *Professor of Geology.*

A.B., University of Wisconsin, 1882, B.Sc., 1884, and A.M., 1887. Johns Hopkins University, 1891-93; Ph.D., Johns Hopkins University, 1893. Assistant in Geology and Instructor in Petrography, Ohio State University, 1893-95.

WILMER CAVE WRIGHT, Ph.D., *Professor of Greek.*

Shrewsbury, England. Girton College, University of Cambridge, England, 1888-92; Graduate in Honours, Cambridge Classical Tripos, 1892; Ph.D., University of Chicago, 1895. Fellow in Greek, Bryn Mawr College, 1892-93; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96.

JAMES H. LEUBA, Ph.D., *Professor of Psychology.*

Neuchâtel, Switzerland. B.S., University of Neuchâtel, 1886; Ph.D., Ursinus College, 1888, Scholar in Psychology, Clark University, 1892-94; Fellow in Psychology, Clark University, 1893-95; Ph.D., Clark University, 1896.

FONGER DEHAAN, Ph.D., *Professor of Spanish.*

Leeuwarden, Holland. Ph.D., Johns Hopkins University, 1895; Instructor in Modern Languages, Lehigh University, 1885-91; Fellow in Romance Languages, Johns Hopkins University, 1893-94, Assistant in Romance Languages, 1893-95, Instructor in Romance Languages, 1895-96, and Associate in Romance Languages, 1896-97.

ARTHUR LESLIE WHEELER, Ph.D., *Alumnæ Professor of Latin.*

A.B., Yale University, 1893; Scholar and Student in Classics, Yale College, 1893-96; Ph.D., Yale University, 1896. Instructor and Tutor in Latin, Yale College, 1894-1900.

* Granted sabbatical leave of absence for the year 1922-23.

HENRY NEVILL SANDERS, PH.D., *Alumnæ Professor of Greek.*

Edinburgh, Scotland. A.B., Trinity University, Toronto, 1894, and A.M., 1897; Ph.D., Johns Hopkins University, 1903. Fellow in Greek, Johns Hopkins University, 1897-98; Lecturer in Greek, McGill University, 1900-02.

WILLIAM BASHFORD HUFF, PH.D., *Professor of Physics.*

A.B., University of Wisconsin, 1889; A.M., University of Chicago, 1896; Ph.D., Johns Hopkins University, 1900. Lecture Assistant in Physics, Johns Hopkins University, 1899-1900, Assistant in Physics, 1900-01, and Instructor in Physics, 1901-02.

WILLIAM ROY SMITH, PH.D., *Professor of History.*

A.B., University of Texas, 1897, and A.M., 1898; Ph.D., Columbia University, 1903. Acting Professor of History and Political Science, University of Colorado, 1900-01; Lecturer in History, Barnard College, 1901-02.

LUCY MARTIN DONNELLY,* A.B., *Mary Elizabeth Garrett Memorial Alumnæ Professor of English.*

A.B., Bryn Mawr College, 1893; University of Oxford, England, and University of Leipsic, 1893-94; Sorbonne and Collège de France, and University of Leipsic, 1894-95.

DAVID HILT TENNENT,* PH.D., *Professor of Biology.*

S.B., Olivet College, 1900; Ph.D., Johns Hopkins University, 1904. Fellow, Johns Hopkins University, 1902-04; Bruce Fellow, Johns Hopkins University, 1904.

CARLETON BROWN, PH.D., *Professor of English Philology.*

A.B., Carleton College, 1888; A.M., Harvard University, 1901, and Ph.D., 1903. Shattuck Scholar, Harvard University, 1901-03; Instructor in English, Harvard University, 1903-05; Associate in English Philology, Bryn Mawr College, 1905-07; Associate Professor, 1907-10, and Professor, 1910-17; Professor of English, University of Minnesota, 1917-21; Exchange Professor, University of Oxford, 1919-20.

JAMES BARNES, PH.D., *Professor of Physics.*

Halifax, Nova Scotia. B.A., Dalhousie University, Honours in Mathematics and Physics, 1899, and M.A., 1900; Ph.D., Johns Hopkins University, 1904. Holder of 1851 Exhibition Science Research Scholarship, 1900-03; Fellow, Johns Hopkins University, 1903-04, and Assistant in Physics, 1904-06; Resident Fellow, University of Manchester, 1915.

THEODORE DE LEO DE LAGUNA, PH.D., *Professor of Philosophy.*

A.B., University of California, 1896, and A.M., 1899; Ph.D., Cornell University, 1901. Teacher in the Government Schools of the Philippine Islands, 1901-04; Honorary Fellow and Assistant in Philosophy, Cornell University, 1904-05; Assistant Professor of the Philosophy of Education, University of Michigan, 1905-07.

MARION PARRIS SMITH, PH.D., *Professor of Economics.*

A.B., Bryn Mawr College, 1901, and Ph.D., 1908. Graduate Student, Bryn Mawr College, 1902-05, Fellow in Economics and Politics, 1905-06; Bryn Mawr College Research Fellow and Student in Economics and Politics, University of Vienna, 1906-07.

CLARENCE ERROL FERREE, PH.D., *Professor of Experimental Psychology and Director of the Psychological Laboratory.*

B.S., Ohio Wesleyan University, 1900, A.M., 1901, and M.S., 1902; Ph.D., Cornell University, 1909. Fellow in Psychology, Cornell University, 1902-03; Assistant in Psychology, Cornell University, 1903-07.

GRACE MEAD ANDRUS DE LAGUNA, PH.D., *Associate Professor of Philosophy.*

A.B., Cornell University, 1903, and Ph.D., 1906. Sage Scholar in Philosophy, Cornell University, 1903-05; Alice Freeman Palmer Fellow in Wellesley College, 1905-06; Reader in Philosophy, Bryn Mawr College, 1907-08.

REGINA KATHARINE CRANDALL, PH.D., *Margaret Kingsland Haskell Professor of English Composition.*

A.B., Smith College, 1890; Ph.D., University of Chicago, 1902. Graduate Student, University of Chicago, 1893-94, and Fellow in History, 1894-96; Assistant in History, Smith College, 1896-99; Instructor in History, Wellesley College, 1899-1900.

EDITH ORLADY, A.B., *Secretary and Registrar of the College.*

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, University of Grenoble, 1906-07, Bryn Mawr College, 1903-06, 1907-09; Recording Secretary and Appointment Secretary, 1910-12.

* Granted sabbatical leave of absence for the year 1922-23.

ROGER FREDERIC BRUNEL, Ph.D., *Professor of Chemistry.*

A.B., Colby University, 1903; Ph.D., Johns Hopkins University, 1906. Lecture Assistant in Chemistry, Johns Hopkins University, 1906-07; Instructor in Chemistry, Syracuse University, 1907-10, and Assistant Professor of Chemistry, 1910-12.

MATILDE CASTRO, Ph.D., *Phebe Anna Thorne Professor of Education and Director of the Phebe Anna Thorne School.*

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the High School, Morris, Ill., 1901-03; Instructor in Philosophy, Mount Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12.

GERTRUDE RAND, Ph.D., *Associate in Experimental and Applied Psychology.*

A.B., Cornell University, 1903; Ph.D., Bryn Mawr College, 1911. Graduate Scholar in Psychology, Bryn Mawr College, 1908-09, 1911-12. Fellow in Philosophy, 1909-10, Fellow in Psychology, 1910-11, and Sarah Berliner Research Fellow, 1912-13.

EUNICE MORGAN SCHENCK, Ph.D., *Associate Professor of French.*

A.B., Bryn Mawr College, 1907, and Ph.D., 1913. Graduate Student, Bryn Mawr College, 1909, Graduate Scholar, 1909-10, and Fellow in Romance Languages, 1912-13; President's European Fellow and Student, the Sorbonne, Collège de France, University of Grenoble, and in Madrid, 1910-12; Dean of the College, Bryn Mawr College, 1916-17.

SAMUEL CLAGGETT CHEW, Ph.D., *Professor of English Literature.*

A.B., Johns Hopkins University, 1909, and Ph.D., 1913. Fellow, Johns Hopkins University, 1910-12; English Master, Hotchkiss School, Lakeville, Conn., 1913-14.

SUSAN MYRA KINGSBURY, Ph.D., *Carola Woerishoffer Professor of Social Economy and Director of the Carola Woerishoffer Department of Social Research.*

A.B., College of the Pacific, 1890; A.M., Leland Stanford Jr. University, 1899; Ph.D., Columbia University, 1905. University Fellow, Columbia University, 1902-03; Holder of the European Fellowship of the Women's Education Association, Boston, Mass., 1903-04; Instructor in History, Vassar College, 1904-05; Director of Investigation, Massachusetts Commission on Industrial and Technical Education, 1905-06; Instructor in History and Economics and Head of Departments, Simmons College, 1906-07; Assistant, Associate, and Professor in Economics, Simmons College, and Director of the Department of Research, Women's Educational and Industrial Union, Boston, 1907-15.

GEORGIANA GODDARD KING, M.A., *Professor of the History of Art.*

A.B., Bryn Mawr College, 1896, and M.A., 1897. Fellow in Philosophy, Bryn Mawr College, 1896-97, and Fellow in English, 1897-98; Collège de France, First Semester, 1898-99.

RHYS CARPENTER,* Ph.D., *Professor of Classical Archaeology.*

A.B., Columbia University, 1909, and Ph.D., 1916; B.A., University of Oxford, 1911, and M.A., 1914. Rhodes Scholar and Student, Balliol College, University of Oxford, 1908-11; Drisler Fellow in Classics, Columbia University, 1911-13; Student, American School of Classical Studies in Athens, 1912-13; Absent for Military Service, 1917-19.

CHARLES GHEQUIERE FENWICK, Ph.D., *Professor of Political Science.*

A.B., Loyola College, 1907; Ph.D., Johns Hopkins University, 1912. Student of Political Science, Johns Hopkins University, 1909-11; Law Clerk, Division of International Law in the Carnegie Endowment for International Peace, 1911-14; University of Freiburg, Summer, 1913; Lecturer on International Law, Washington College of Law, 1912-14.

HOWARD LEVI GRAY, Ph.D., *Professor of History.*

A.B., University of Rochester, 1897; A.B., Harvard University, 1898, A.M., 1900, and Ph.D., 1907. Instructor in History, Harvard University, 1909-13, and Assistant Professor of History, 1914-15. Absent on War Service, 1918-19.

JAMES LLEWELLYN CRENSHAW, Ph.D., *Associate Professor of Physical Chemistry.*

A.B., Centre College, 1907, and A.M., 1908; Ph.D., Princeton University, 1911. Assistant Chemist in the Geo-Physical Laboratory of the Carnegie Institution, Washington, D. C., 1910-15. Absent for Military Service, 1917-19.

* Granted sabbatical leave of absence for the year 1923-24.

HOWARD JAMES SAVAGE,* Ph.D., *Associate Professor of English and Director of the Work in English Composition.*

A.B., Tufts College, 1907; A.M., Harvard University, 1909, and Ph.D., 1915. Instructor in English, Tufts College, 1908-11; Instructor in English, Harvard University, 1911-13, and at Radcliffe College, 1911-15; Graduate Student, Harvard University, 1908-09; 1913-15; Instructor in the Harvard Summer School, 1912, 1913, 1914, 1915. Absent for Military Service, 1917-19.

ADA HART ARLITT, Ph.D., *Associate in Educational Psychology.*

A.B., H. Sophie Newcomb Memorial College of Tulane University, 1913; Ph.D., University of Chicago, 1917. Fellow in Biology, H. Sophie Newcomb Memorial College, 1913-14; Fellow in Psychology, University of Chicago, 1914-16; Fellow in Sprague Institute, 1916-17.

SAMUEL ARTHUR KING, M.A., *Non-resident Lecturer in English Diction.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Public Speaking, Johns Hopkins University, 1901; Special Lecturer in Speech, University of California, 1902.

ANNA JOHNSON PELL, Ph.D., *Associate Professor of Mathematics.*

A.B., University of South Dakota, 1903; M.S., University of Iowa, 1904; A.M., Radcliffe College, 1905; Ph.D., University of Chicago, 1910; Holder of Alice Freeman Palmer Fellowship of Wellesley College and Student in Mathematics, University of Göttingen, 1906-07; Instructor in Mathematics, Mount Holyoke College, 1911-14, and Associate Professor of Mathematics, 1914-18.

CHARLES WENDELL DAVID, Ph.D., *Associate Professor of History.*

B.A., University of Oxford, 1911; M.A., University of Wisconsin, 1923; Ph.D., Harvard University, 1918; Rhodes Scholar, University of Oxford, 1908-11. Instructor in History, University of Washington, 1915-18.

MARCELLE PARDÉ,† *Agrégée des Lettres, Associate in French.*

Beauvais, Oise, France. Ecole Normale Supérieure de Sévres, 1911-14. Teacher in the Lycée, Chaumont, Haute Marne, 1915-19; Student, the Sorbonne, 1911-16; Agrégée des lettres, University of Paris, 1917.

EDUARD PROKOSCH, Ph.D., *Associate Professor of German.*

Eger Bohemia. University of Prague, 1894-95; University of Vienna, 1895-97; University of Chicago, 1899-1904; *Staats Examen*, 1897; A.M., University of Chicago, 1901; University of Leipzig, 1904-05; Ph.D., University of Leipzig, 1905. Instructor in German, Francis W. Parker School and School of Education, University of Chicago, 1901-02; Instructor in German Department, University of Chicago, 1902-04; University of Wisconsin, 1905-09; Assistant Professor of German and Comparative Philology, University of Wisconsin, 1909-13; Professor of Germanic Philology, University of Texas, 1913-19.

ANNA BAKER YATES, Ph.D., *Associate in Physiology and Biochemistry.*

A.B., Mount Holyoke College, 1913; M.A., Columbia University, 1915; Ph.D., Columbia University, 1920. Assistant in Chemistry, Barnard College, 1913-15; Instructor in Physiology, Mount Holyoke College, 1915-17; Scientific Assistant, U. S. Public Health Service, August to December, 1917; Teaching Fellow in Physiology, University of Minnesota, 1917-18; Member of Instructing Staff, Training Course for Health Officers, Mount Holyoke College, 1919; Special Investigator, Industrial Service Section, Chicago District Ordnance Department, 1918-19; Instructor in Physiology, Wellesley College, 1919-20.

CLAUDE GILLI, B.A., *Associate Professor of French.*

Nice, France. B.A., London University, First Class Honours, 1909; Rothschild Prizeman in Romance Philology, University College; Lecturer in Romance Philology, East London College, 1910-13; and in Westfield College, 1912-14; Lecturer, University of Montpellier 1917-20.

FRANZ SCHRADER, Ph.D., *Associate in Biology.*

B.S., Columbia University, 1914, and Ph.D., 1919. Scientist for the Bureau of Fisheries, Department of Commerce, Washington, D. C., 1915-16 and summer of 1917; and Pathologist, 1919 to January 31, 1921. Assistant in Zoölogy, Columbia University, 1918-19.

* Granted sabbatical leave of absence for the year 1923-24.

† Granted leave of absence for the year 1922-23.

MARY HAMILTON SWINDLER, PH.D., *Associate in Latin and Classical Archaeology.*

A.B., University of Indiana, 1905, and A.M., 1906; Ph.D., Bryn Mawr College, 1912. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Mary E. Garrett European Fellow and Student, Universities of Berlin and Oxford and the American School of Classical Studies in Athens, 1909-10; Teacher in the Misses Shipley's School, Bryn Mawr, 1910-11, in Miss Wright's School, Bryn Mawr, 1911-12, and in the Phebe Anna Thorne School, 1914-17.

MALCOLM HAVENS BISSELL, PH.D., *Associate in Geology.*

Ph.B., Yale University, 1911, A.M., 1918, and Ph.D., 1921; Instructor in Engineering, University of Pittsburgh, 1913-14; Assistant in Geography, Yale University, 1917-18; with Connecticut Geological Survey, 1917.

EVA WHITING WHITE, B.S., *Non-resident Lecturer in Social Economy (Community Organization).*

B.S., Simmons College, 1907. Head Resident, Elizabeth Peabody House, Boston, Mass., 1909—; Massachusetts Board of Education, in charge of Vocational Education for Women and Girls, 1910-14; Staff Lecturer, Boston School for Social Work, 1912-14; Massachusetts Homestead Commission, 1916—; Massachusetts Immigration Commission, 1916; Survey of Public Schools, Gary, Ind., 1916; Vice-Chairman, Federal Commission on Living Conditions, 1917-19; Director of Training, Intercollegiate Community Service Association, 1919-22; Acting-Director, Boston School of Social Work, 1922—.

NEVA RUTH DEARDORFF, PH.D., *Associate Professor of Social Economy (Social Relief).*

A.B., University of Michigan, 1908; Ph.D., University of Pennsylvania, 1911; Fellow, University of Pennsylvania, 1908-11. Staff, Assistant Director, Bureau of Municipal Research, Philadelphia, 1912-18; Chief, Division of Vital Statistics, City of Philadelphia, 1914-16; Assistant to Director-General of Civilian Relief, American Red Cross, 1918-21.

HENRIETTA ADDITON, M.A., *Non-resident Lecturer in Social Economy (Social Guardianship).*

A.B., Piedmont College, 1907; M.A., University of Pennsylvania, 1911; Fellow, University of Pennsylvania, 1910-11, 1912-13. Instructor, History and Civics, Piedmont College, 1908-10; Agent, Philadelphia Society for Organizing Charity, 1913-14; Probation Officer and Case Supervisor, Philadelphia Municipal Court, 1914-16; in Charge, Probation Department, Juvenile Court, 1917; Assistant Director and Director, Section on Women and Girls, Law Enforcement Division, Commission on Training Camp Activities, War Department, 1918-19; Executive Assistant and Director, Field Service, Women and Girls, United States Interdepartmental Social Hygiene Board, 1919-22; Executive Secretary, Big Sisters Association of Philadelphia, 1922—.

SUSAN HELEN BALLOU, PH.D., *Associate in Latin.*

Ph.B., University of Chicago, 1897; Ph.D., University of Giessen, 1912. Graduate Scholar in Latin, University of Chicago, 1897-98, Assistant in Latin, 1898-1900, and Associate in Latin, 1901-07; Travelling Fellow of the Association of Collegiate Alumnae at the American School of Classical Studies, Rome, 1901-02; Student of Palaeography in Rome, 1903-04, and Carnegie Research Fellow in Latin Literature, American School of Classical Studies, Rome, 1905-06. Student, Universities of Göttingen and Giessen, 1910, 1911. Instructor in Latin, University of Chicago, 1907-15; in charge of Latin Department, Michigan Western State Normal School, 1915-17; Instructor in History, University of Wisconsin, 1917-20.

THOMAS WHITNEY SURETTE, *Director of the Department of Theoretical Music.*

Special Student, Harvard University, 1890-92. Staff Lecturer in Music to the Extension Delegacy of Oxford University, 1907—. Curator of Music in the Museum of Art, Cleveland, O.

HORACE ALWYNE, A.R.M.C.M., *Associate Professor of Music.*

Manchester, England. Holder of Sir Charles Hallé Memorial Scholarship, 1909-12, Gold medallist and graduate (with distinction) of Royal Manchester College of Music, England, 1912. Director of Music, Manchester Grammar School, 1911-12; Head of Piano Department, Skidmore School of Arts, Saratoga Springs, N. Y., 1914-21; Student of Professor Max Mayer (England) and Professor Michael von Zadora (Berlin).

WALTER LLEWELLYN BULLOCK, Ph.D., Associate in Italian.

Rugby, England. A.B., Harvard University, 1917, M.A., 1920, and Ph.D., 1922. Graduate Student, Harvard University, 1919-22; Holder of Joseph Eveleth Scholarship, 1914-15; of the Matthews Scholarship, 1916-17; of the Shattuck Scholarship, 1920-21, Boylston Prize, 1917, Dante Prize, 1920; Temporary Master, Rugby School, England, June to July, 1914; Tutor in Argumentation in Department of English, Wellesley College, 1916; Instructor in French, Harvard University, 1921-22.

THEOPHILE MEEK, Ph.D., Professor of Semitic Languages and the History of Religions.

B.A., University of Toronto, 1903; B.D., McCormick Theological Seminary, Chicago, 1909; Ph.D., University of Chicago, 1915. Nettie F. McCormick Travelling Fellow in Hebrew, 1906-08; Fellow in Semitics, University of Berlin, 1906-08; American School of Oriental Research, Jerusalem, 1908; University of Chicago, 1914; Professor of Biblical History and Literature, James Millikin University, Decatur, Illinois, 1909-18; Professor of Old Testament and the History of Religions at Meadville Theological School, Meadville. 1918-22.

WILLIAM SIDNEY TANGIER SMITH,* Ph.D., Lecturer in Geology.

B.L., University of California, 1890, and Ph.D., 1896. Graduate Student, Johns Hopkins University, 1890-92; Professor of Mathematics and Natural Science, Occidental College, Los Angeles, 1894-95; Lecturer in Mineralogy, 1894-97; Professor of Mathematics, State Normal School, Chica, California, 1897-98; Assistant in Mineralogy, University of California, 1899-1900; Assistant Geologist, U. S. Geological Survey, 1900-1905; Assistant Professor and Professor of Geology and Mineralogy, University of Nevada, 1906-12; Instructor in Geology, Summer School, University of California, 1915, and temporarily in charge of classes in Geology, University of California, 1913, 1919, 1920; Consulting Geologist, 1912-22.

HELEN SARD HUGHES,† Ph.D., Lecturer in English Literature.

Ph.B. and Ed.B., University of Chicago, 1910; M.A., 1911, and Ph.D., 1917. Acting Head of the Department of Literature, Western College, Oxford, O., 1911-12; Instructor in English, Wellesley College, 1912-14; Fellow and Assistant in English, University of Chicago, 1915-17; Fellow of the Woman's Educational Association of Boston, 1915-16; Instructor in Literature, Grinnell College, Jan. to June, 1916; Instructor and Assistant Professor of English, Montana State University, 1917-19; Associate in English, State University of Iowa, 1919-20; Associate Professor of English, Wellesley College, 1920-22.

BENJAMIN H. WILLIAMS,‡ Ph.D., Lecturer in Politics.

A.B., University of Oregon, 1910, and M.A., 1912; Ph.D., University of California, 1921; Associate in Economics, University of California, 1919-20; Teaching Fellow in Political Science, University of California, 1920-21; Instructor in Political Science, University of Pennsylvania, 1921—.

SUE AVIS BLAKE, M.A., Instructor in Physics.

A.B., Bryn Mawr College, 1898, and M.A., 1900. Demonstrator and Graduate Student in Physics, Bryn Mawr College, 1898-99, and 1904-06, and Fellow in Physics, 1906-07; Graduate Student, Bryn Mawr College, and Teacher of Mathematics and Science in the Misses Shipley's School, Bryn Mawr, 1899-1900; Assistant in Physics, Smith College, 1900-02, 1903-04; Fellow in Physics, University of Pennsylvania, 1907-08; Instructor in Physics, Smith College, 1910-15, Bryn Mawr College, 1918-19.

MARJORIE LORNE FRANKLIN,§ M.A., Instructor in Economics and Politics.

A.B., Barnard College, 1913, and M.A., Columbia University, 1916. Graduate Scholar, Bryn Mawr College, 1913-14, and Fellow in Economics, 1914-15; Columbia University, 1915-16; Library Assistant, American Telephone and Telegraph Co., 1916-17; Instructor in Political Science, Vassar College, 1917-18.

MARTHE JEANNE TROTAI, Instructor in French.

Paris, France. Certificat d'aptitude à l'enseignement d'Anglais dans les Lycées et Collèges, 1918. Student in the Sorbonne, 1916-18; Teacher in Schools in England, 1913-14, 1915-16; French Graduate Scholar, Bryn Mawr College, 1918-20; Teacher of French in the Phebe Anna Thorne School, 1920-21.

* Substitute for Professor Florence Bascom, Professor of Geology.

† Substitute for Professor Lucy Martin Donnelly, Professor of English Literature.

‡ Semester II, 1922-23.

§ Resigned, January, 1923.

GEORGE ROWLEY, A.B., *Instructor in Modern Art.*

A.B., University of Pennsylvania, 1913. Law School, University of Pennsylvania, 1913-15; Instructor in English, University of Pennsylvania, 1915-17; Military Service, 1917-19; Graduate Student in Aesthetics and Archaeology, 1919, and Fellow in Fine Arts, 1919-20; Columbia Summer School, 1919; Fellow in Fine Arts, Princeton University, 1920-21.

HELENE BUHLERT BULLOCK, M.A., *Instructor in English Composition.*

A.B., Wellesley College, 1903, and M.A., Radcliffe College, 1915. Instructor in Rhetoric and Composition, Wellesley College, 1915-17 and 1919-22; Associate Head of the Merrill School, 1917-19.

MARGUERITE CAPEN HEARSEY, A.B., *Instructor in English Composition.*

A.B., Hollins College, 1914; M.A., Radcliffe College, 1922; Student, Columbia University, Summer, 1915, Harvard University, 1922. Instructor in English and French, Georgetown College, 1915-17.

EDITH HAMILTON LANMAN, M.A., *Instructor in Chemistry.*

A.B., Radcliffe College, 1914; M.A., University of California, 1915. Graduate Student, University of California, 1914-15; Demonstrator in Chemistry, Bryn Mawr College, 1915-18, Instructor in Chemistry, 1918-19, and Graduate Student, 1916-17.

FRANCES HIGGINSON FULLER, A.B., *Instructor in English Composition.*

A.B., Bryn Mawr College, 1919. Student at the Art Students' League, New York, 1919-21; in charge of the Department of English and Latin, High School, Watertown, Massachusetts, 1921-22.

HELEN BELLE SMITH, M.A., *Instructor in French.*

A.B., University of Wisconsin, 1918, and M.A., 1920. Scholar, Ecole Normale Supérieure, Sévres, 1919; Instructor in French, University of Wisconsin, 1920-22.

ANNA SCHAFHEITLIN, M.A., *Instructor in German.*

A.B., McGill University, 1911, with Governor's Gold Medal, and M.A., 1913. Assistant in French Phonetics, McGill Summer School, 1910; Tutor and Sessional Lecturer in German, 1911-14; Instructor in German, Mount Holyoke College, 1914-18; Fellow in German, University of Wisconsin, 1918-21; Assistant in German, University of Illinois, 1921-22.

HELEN RANKIN JETER, M.A., *Instructor in Social Economy.*

A.B., University of California, 1917; M.A., University of Chicago, 1920; Certificate, Chicago School of Civics and Philanthropy, 1919; Graduate Student, Chicago School of Civics and Philanthropy, 1918-19, University of Chicago, 1919-20; Special Agent, U. S. Bureau of Labor Statistics, 1917-18; Assistant in Social Investigation, Chicago School of Civics and Philanthropy, 1918-21; Assistant in the Graduate School of Social Service Administration, University of Chicago, 1921-22.

ABBY KIRK, A.B., *Reader in Elementary Greek.*

A.B., Bryn Mawr College, 1892. Reader in English, Bryn Mawr College, 1892-98; Associate Principal and Teacher of English and Classics in the Misses Kirk's School, Bryn Mawr, 1899.

MARGUERITE CELESTINE DAUCHY, B.S., *Reader in Mathematics.*

B.S., University of Vermont, 1922.

MARGARET STORRS, A.B., *Reader in Philosophy and Psychology.*

A.B., Smith College, 1922.

JANE PERRY CLARK, M.A., *Reader in English.*

A.B., Vassar College, 1920; M.A., Columbia University, 1922.

HELEN MARGARET INGRAHAM, M.S., *Demonstrator in Biology.*

B.S., Knox College, 1918; M.S., University of Chicago, 1921. Teacher in Lewistown, Ill., 1918-20.

ISABEL KING WALLACE, A.B., *Assistant Demonstrator in Applied Psychology.*

A.B., University of Rochester, 1916. Factory Experience in Art in Buttons, 1916-18, and Director of Service Department, 1919-21. Grace H. Dodge Scholar in Social Economy and Social Research, Bryn Mawr College, 1921-22.

HAZEL A. WENTWORTH, A.B., *Assistant Demonstrator in Experimental Psychology.*

A.B., Smith College, 1922.

MARGARET HALL, A.B., *Assistant Demonstrator in Educational Psychology*.
A.B., Wellesley College, 1922.

CATHERINE WRIGHT, *Demonstrator in History of Art*.

SALLY HUGHES SCHRADER, B.S., *Assistant Demonstrator in Biology*.
Pacific University, 1913-15; B.S., Grinnell College, 1917. Instructor in Zoölogy, Grinnell College, 1918-19, and Lecturer in Zoölogy, Barnard College, 1920-21.

LOIS ANTOINETTE REED, A.B., B.L.S., *Librarian*.

A.B., University of Illinois, 1909; B.L.S., New York State Library School, 1904. Librarian, The Western College, Oxford, Ohio, 1905-07; Cataloguer and Order Department Assistant, Library of the University of Illinois, 1907-10; Assistant Librarian, University of Rochester, 1910-12.

MARY LOUISE TERRIEN, A.B., *Circulation and Reference Librarian*.

A.B., Smith College, 1905. Simmons College Library School, Boston, Mass., 1914-15.

MARJORIE NEWTON, M.A., *Head Cataloguer*.*

B.S., Simmons College, 1918; M.A., University of Toronto, 1913.

MURIEL JORDAN SCHABACKER, A.B., *Head Cataloguer*.†

A.B., Wellesley College, 1915; Pratt Institute School of Library Science, 1917. Cataloguer, Ohio State University Library, 1918-20; Cataloguer, Princeton University Library, 1920-22.

MAY MORRIS, Ph.B., *Assistant to the Circulation and Reference Librarian*.

Ph.B., Dickinson College, 1909. Pratt Institute School of Library Science, 1917.

BESSIE HOMER JENNINGS, ‡ *Assistant Cataloguer*.

Graduate, Drexel Institute Library School, 1900.

CONSTANCE M. K. APPELBEE, *Director of Physical Training and Supervisor of Health*.

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foster High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire, 1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mount Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906.

MARY W. BARROW, *Assistant to the Director of Physical Training*.

Birmingham, England. Dartford Physical Training College.

NORA HUTCHINSON, *Assistant to the Director of Physical Training*.

Haslemere, Surrey, England. Bedford Physical Training College.

HALLS OF RESIDENCE.

FRIEDRIKA MARGARETHE HEYL, A.B., *Warden of Radnor Hall and Assistant in the Bureau of Recommendations*.

A.B., Bryn Mawr College, 1899. Teacher of German and Student, State Normal School, Fredonia, N. Y., 1899-1900; Teacher in the Balliol School, Utica, N. Y., 1900-01, and Secretary, 1901-08; Warden of Merion Hall, Bryn Mawr College, 1908-10; Assistant to the Dean of Women, Michigan Agricultural College, 1916-18; Secretary to the Adviser of Women, Cornell University, 1918-20.

MARY SUMMERFIELD GARDINER, A.B., *Warden of Denbigh Hall and Assistant Adviser of Students*.

A.B., Bryn Mawr College, 1918. Information Secretary, Y. W. C. A. Hostess House, Camp Mills, Long Island, 1918-19; Secretary and Social Worker, Henry Street Settlement, New York City, 1920-21.

* Semester I, 1922-23.

† Semester II, 1922-23.

‡ Died, February 9, 1923.

LOUISE FROST HODGES, A.B., *Warden of Pembroke Hall East and Assistant Adviser of Students.*

A.B., Bryn Mawr College, 1918. Statistical Clerk, U. S. Shipping Board, 1918-19; Secretary in the Holton Arms School, Washington, D. C., 1921-22.

LOUISE BULKELEY DILLINGHAM, A.B., *Warden of Rockefeller Hall and Assistant Adviser of Students.*

A.B., Bryn Mawr College, 1916. Graduate Student, Columbia University, 1916-17; Private Secretary, 1917-18; Assistant Secretary, South Porto Rico Sugar Company, Ensenada, Porto Rico, 1918-22.

ELLEN FAULKNER, A.B., *Warden of Merion Hall and Assistant to the Dean of the College in the Department of Health.*

A.B., Bryn Mawr College, 1913. Science Teacher in Miss Low and Miss Heywood's School, Stamford, Conn., 1914-17; Clerk, Farmers' Loan Trust Co., Paris, 1918-21; Second Assistant, Boston Health League, 1921-22.

HILDA WALTON, *Warden of Pembroke Hall West and Assistant Adviser of Students.*

Scarborough, England. Graduate of Somerville College, Oxford, 1909; Secretary to the Principal, Bedford College, London, 1899-1901; Secretary to the Council, Bedford College, 1901-06; Bursar of Somerville College, Oxford, 1909-16; Principal of the Physical Training College, Dartford, 1919-22.

HEALTH DEPARTMENT.

ELEANOR BONTECOU, A.B., J.D., *Head of Health Department.*

MARION EDWARDS PARK, Ph.D., *Ex-officio.*

CONSTANCE M. K. APPLEBEE, *Health Supervisor.*

THOMAS F. BRANSON, M.D., *Physician-in-Chief.*

A.B., Haverford College, 1889; M.D., University of Pennsylvania, 1892. Attending Physician, Bryn Mawr Hospital.

MINTA PROCTOR KEMP, M.D., *Resident Physician.*

M.D., University of Michigan, 1900. Assistant Physician, Northern Michigan State Hospital, 1900-03; Physician, Biologic Department, F. Stearns and Co., Detroit, Mich., 1904-08; Assistant Physician, Newberry State Hospital, 1908-18; and in Kalamazoo State Hospital, 1918-19; Resident Physician, Kenilworth Sanitarium, Kenilworth, Ill., 1919-22.

HELEN MURPHY, M.D., *Examining Oculist.*

M.D., Woman's Medical College of Pennsylvania, 1893; Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894-96; Instructor in Materia Medica, 1896-1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895-97.

The following physicians have consented to serve as consultants:

THOMAS McCRAE, M.D., F.R.C.P., 1627 Spruce Street, Philadelphia, *Consultant Physician.*

GEORGE E. DE SCHWEINITZ, M.D., 1705 Walnut Street, Philadelphia, *Consultant Oculist.*

ROBERT G. LE CONTE, M.D., 2000 Spruce Street, Philadelphia, *Consultant Surgeon.*

ARTHUR E. BILLINGS, M.D., 1703 Spruce Street, Philadelphia, *Consultant Surgeon.*

FRANCIS R. PACKARD, M.D., 302 South 19th Street, Philadelphia, *Consultant Aurist and Laryngologist.*

JAMES K. YOUNG, M.D., 222 South 16th Street, Philadelphia, *Consultant Orthopaedist.*

DEPARTMENT OF EDUCATION.

PHEBE ANNA THORNE SCHOOL.

MATILDE CASTRO, PH.D., *Director.*

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the Morris High School, Morris, Ill., 1901-03; Instructor in Philosophy, Mount Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12. Phebe Anna Thorne Professor of Education, Bryn Mawr College.

FANNY COOK GATES, PH.D., *Head Mistress.*

B.S., Northwestern University, 1894, and M.S., 1895; Ph.D., University of Pennsylvania, 1909. Fellow in Mathematics, Northwestern University, 1894-95; Graduate Scholar in Mathematics, Bryn Mawr College, 1895-96, and Fellow in Mathematics, 1896-97; Holder of European Fellowship of the Association of Collegiate Alumnae, and Student in Mathematics and Physics, University of Göttingen, 1897-98; Graduate Student, University of Chicago, Summer Term, 1899; Instructor in Physics, Goucher College, 1898-1901, Associate Professor of Physics, 1901-06, and Professor of Physics, 1906-11; Research Student, McGill University, 1902-03; Research Student, Cavendish Laboratory, Cambridge, England, April-August, 1905 and 1906; Graduate Student, School of Education, University of Chicago, 1911-13; Dean of Women and Professor of Physics, Grinnell College, 1913-16; Dean of Women, University of Illinois, 1916-18; Y. W. C. A. War work, New York City, 1918-20; Special Teacher of Physics, Brearley School and Lincoln School of Teachers College, 1920-22.

SAMUEL ARTHUR KING, M.A., *Teacher of Reading.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Public Speaking, Johns Hopkins University, 1901; Special Lecturer in Speech, University of California, 1902; Non-Resident Lecturer in English Diction, Bryn Mawr College.

PLACIDO DE MONTOLIU,* *Teacher of Jaques-Dalcroze Eurhythmics (Singing, Dancing).*

Graduate of the Jaques-Dalcroze College of Rhythmic Training, Geneva, Switzerland, and authorized Director of the Dalcroze System.

CONSTANCE M. K. APPLEBEE, *Teacher of Gymnastics and Sports and Games.*

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foster High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire, 1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mount Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906. Director of Gymnastics and Athletics, Bryn Mawr College.

MABEL PAULINE WOLFF, M.A., *Teacher of History.*

A.B., Barnard College, 1905, and M.A., Columbia University, 1915. Teacher, Public School, Patton, Pa., 1905-06, Allentown College for Women, 1906-07, Paulsboro High School, Gloucester City, N. J., 1907-11, Washington Seminary, Washington, Pa., 1911-14, and Leominster High School, Leominster, Mass., 1915-16.

RIDIE J. GUION, M.A., *Teacher of English.*

A.B., Wellesley College, 1911; M.A., Columbia University, 1917. Teacher of English, Graham Hall, Minneapolis, Minn., 1912-15; Miss Fine's School, Princeton, N. J., 1915-17.

ELIZABETH RIDER MERRITT,† B.S., *Teacher of Painting, Drawing and Modeling, and Crafts.*

B.S., Teachers College, Columbia University, 1918. Teacher of Fine Arts, Horace Mann School, Teachers College, New York City, 1918-19.

MERCELIA WAGNER, A.B., *Teacher of Elementary Mathematics and Beginning Science.*

A.B., Wellesley College, 1917. Laboratory Assistant in Botany, Wellesley College, 1917-18; Instructor in Botany, Sweet Briar College, 1918-20.

* Granted leave of absence for the year 1922-23.

† Absent on account of illness, October to December, 1922-23.

KATE DUVAL PITTS, A.B., *Teacher of French.*

A.B., Bryn Mawr College, 1903. Teacher in Miss Wright's School, Bryn Mawr, and Tutor, 1903-05, 1906-07, 1919-20; Student, University of Grenoble, 1905-06; Instructor in English, Simmons College, Boston, Mass., 1907-08.

EDNA M. ROBBINS, A.B., *Teacher of Mathematics and Science.*

A.B., Smith College, 1911. Teacher in the High School, Bethel, Conn., 1911-13, in Capen School, Northampton, Mass., 1913-18, and in the High School, Westerly, R. I., 1918-20.

DOROTHY M. RANKIN, A.B., *Teacher of Latin.*

A.B., Radcliffe College, 1920. Teacher of Latin in Concord Academy, Concord, Mass., 1920-22.

ANNETTE PONSE, *Teacher of Eurhythmics.*

Graduate of the Jaques-Dalcroze School, Hellerau, 1914. Teacher of Eurhythmics in Geneva and Paris, 1916-20; in the Michio Itow School of Dancing, New York City, 1920-21; in the Boston School of Public Speaking, 1921-22; in the Community Dramatic School, East Gloucester, Mass., Summer, 1921 and 1922, and in the Ogontz School, Pennsylvania, and in Teachers' College, 1922—.

IDA J. LONG, Ph.B., *Teacher in the Primary Department.*

Ph.B. in Education, University of Chicago, 1921. Teacher in Rural School, St. John, Kans., 1910-19; First Grade Critic Teacher, Indiana Normal School, Fort Wayne, Ind., 1921-22.

JULIA MATHILDE FLETCHER, Ph.B., *Assistant in the Primary Department.*

Ph.B. in Education, University of Chicago, 1922.

EDDA FRANCES BENNETT, B.S., *Teacher of Singing.*

B.S., Skidmore College, 1921. Assistant to Dean of Skidmore College, 1921-22. Student at Mr. Thomas Whitney Surette's Summer School of Music, 1922.

MAUD CROSSETT,* B.S., *Teacher of Painting, Drawing, Modeling and Crafts.*

Graduate, Skidmore School of Arts, 1916; B.S., Teachers College, 1918. Instructor in Art, Ohio State University, 1918-21, and Sem. II, 1921-22; Student in Paris, Sem. I, 1921-22.

ADA HART ARLITT, Ph.D., *Educational Psychology.*

A.B., H. Sophie Newcomb Memorial College, Tulane University, 1913; Ph.D., University of Chicago, 1917; Fellow in Biology, H. Sophie Newcomb Memorial College, 1913-14, and Fellow in Psychology, University of Chicago, 1914-16; Associate in Educational Psychology, Bryn Mawr College.

MINTA PROCTOR KEMP, M.D., *Physician of the School.*

M.D., University of Michigan, 1900. Assistant Physician, Northern Michigan State Hospital, 1900-03; Physician, Biologic Department, F. Stearns and Co., Detroit, 1904-08; Assistant Physician, Newberry State Hospital, 1908-18; Assistant Physician, Kalamazoo State Hospital, 1918-19; Resident Physician, Kenilworth Sanitarium, Kenilworth, Ill., 1919-22; Resident Physician, Bryn Mawr College.

HELEN MURPHY, M.D., *Examining Oculist.*

M.D., Woman's Medical College of Pennsylvania, 1893. Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894-96; Instructor in Materia Medica, 1896-1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895-97; Examining Oculist of Bryn Mawr College.

DEPARTMENT OF BUSINESS ADMINISTRATION.

JOHN J. FOLEY, *Superintendent.*

MINNIE RATCLIFFE, *Supervisor of Housekeeping.*

LAURA HOWARD, *Chief Clerk.*

PAUL ROSTEL, *Supervisor of Culinary Department.*

FIRE DEPARTMENT.

WINFIELD DAUGHERTY, *Fire Chief.*

SAMUEL TITLOW, *First Assistant.*

JOSEPH GRAHAM, *Second Assistant.*

* Substitute for Miss Meritt, October to December, 1922.

STUDENTS.

Fellows, Scholars, and Graduate Students for the Year 1922-23.

THURLÖW, * SYLVA,

Bryn Mawr European Fellow and Shippen Foreign Scholar.

Philadelphia. A.B., Bryn Mawr College, 1922. Philadelphia City Scholar, 1918-22; James E. Rhoads Junior Scholar, and Special Scholar, 1920-21, and Maria L. Eastman Brooke Hall Memorial Scholar, and Charles S. Hinchman Memorial Scholar, 1921-22.

LUBIN, GRACE, *President M. Carey Thomas European Fellow.*

Pittsburgh, Pa. A.B., Bryn Mawr College, 1921. Graduate Scholar in Chemistry, 1921-22; Graduate Student, University College, London, 1922-23.

WOOD, * HELEN FRANCES, *Mary Elizabeth Garrett European Fellow.*

South Hadley Falls, Mass. A.B., Mount Holyoke College, 1918, and A.M., 1920. Graduate Scholar in Latin, Bryn Mawr College, 1919-20; Fellow in Latin, 1920-21; Graduate Scholar and Fellow by Courtesy in Latin, 1921-23.

KELLY, * THERESE KATHLEEN,

Anna Ottendorfer Memorial Research Fellow in Teutonic Philology.

Blackrock, Co. Dublin, Ireland. B.A. with Honours in Modern Languages, National University of Ireland, 1916; M.A., Bryn Mawr College, 1921. Examiner of Income Tax Claims, H. M. Civil Service, and Examiner and Assessor of Deeds for Stamp Duties, Four Courts, Dublin, 1916-20; British Scholar, Bryn Mawr College, 1920-22.

SMITH, EDITH MARION, *Helene and Cecil Rubel Foundation Fellow.*

Peoria, Ill., A.B., Bryn Mawr College, 1918, and M.A., 1919. Graduate Scholar in Greek, 1918-19, and Fellow in Greek, 1919-20; European Fellow of the Woman's Education Association of Boston and Research Worker in the Cairo Museum, 1920-21; Instructor in Greek, Wellesley College, and Graduate Student, Radcliffe College, 1921-22; Graduate Student, Bryn Mawr College, 1922-23.

MERCER, ERNESTINE EMMA, *Fellow in Greek.*

Philadelphia. A.B., Bryn Mawr College, 1919, and M.A., 1920. Bryn Mawr European Fellow and Shippen Foreign Scholar, and Graduate Scholar in Latin, 1919-20; Fellow in Greek, 1920-21; Graduate Student, University of Oxford and University of Paris, 1921-22.

O'SULLIVAN, MARY ISABELLE, *Fellow in English.*

Philadelphia. A.B., Bryn Mawr College, 1907. New York State Library School, 1915-16. Private Tutor and Night Librarian, Drexel Institute, 1908-09; Indexer, Estate of Stephen Girard, 1909-15; Cataloguer, New York Public Library, 1916-17; Graduate Scholar in English Composition, Bryn Mawr College, 1917-18, and Head Cataloguer, Bryn Mawr College Library, 1918-22.

WILLBRAND, IRMA LOUISE, *Fellow in German.*

St. Charles, Mo. A.B., University of Missouri, 1921; B.S. in Education, 1920. Teacher of French, Stephens College, Columbia, Mo., 1919-20, and in the University of Missouri, September to December, 1920; Graduate Scholar in Romance Languages, Bryn Mawr College, 1921-22.

JONES, ANNE CUTTING, *Fellow in Romance Languages.*

Des Moines, Ia. A.B., Grinnell College, 1918. Teacher in the High School, Cherokee, Ia., 1918-19; Head of Department of Romance Languages, Cottey College, Nevada, Mo., 1919-21; Graduate Scholar in Romance Languages, Bryn Mawr College, 1921-22.

CERS, EDNA, *Fellow in Economics and Politics.*

Cambridge, Mass. A.B., Radcliffe College, 1921. Susan B. Anthony Scholar in Social Economy and Politics, 1921-22.

* Fellowship deferred.

HALL, BESSIE LOUISE,

Carola Woerishoffer Fellow in Social Economy and Social Research.

Bridgewater, Nova Scotia. A.B., Dalhousie University, 1916; M.A., University of Toronto, 1921. Teaching in Schools, 1916-18, 1919-20; V. A. D. Worker, 1918-19.

SUMNER, MARY CLAYTON,

Carola Woerishoffer Fellow in Social Economy and Social Research.

Amherst, Mass. A.B., H. Sophie Newcomb College in Tulane University, 1917. Graduate Student, Tulane University, 1916-19. Editorial Work, New Orleans *Times-Picayune*, 1917-18; Teaching Fellow in Psychology, Tulane University, 1918-19; Publicity Director, Northeastern Field, National Board, Y. W. C. A., 1919-21; Executive Secretary, International Serbian Educational Committee, 1922.

DANIEL, FRIEDA OPAL,

Grace H. Dodge Fellow in Social Economy and Social Research.

Osceola, La. A.B., Drake University, 1916. Graduate Student, University of Chicago, 1916-17, 1918-19; Settlement Worker, Chicago, 1917-18; Special Agent, U. S. Department of Labor, Statistics, 1918-19; Field Visitor, A. R. C., June-November, 1919; Assistant and Secretary to Dr. E. S. Ames, University of Chicago, 1919-21; Assistant Inspector, Child Labor Tax Division, Bureau of Internal Revenue, Washington, D. C., 1921-22.

WILDE, CONSTANCE ELIZABETH MARY,

Grace H. Dodge Fellow in Social Economy and Social Research.

Uppermill, Yorkshire, England. B.Com., Victoria University of Manchester, 1919, and M.Com., 1920. Lecturer in Commerce Department, Huddersfield Technical College, 1919-21; British Scholar, Bryn Mawr College, 1921-22.

SCHAUPP, ZORA ALEITA, *Fellow in Philosophy.*

Lincoln, Neb. A.B., University of Nebraska, 1919, and M.A., 1921. Reader in Philosophy and Graduate Student, Bryn Mawr College, 1921-22.

SLOAN, LOUISE LITTIG, *Fellow in Psychology.*

Lutherville, Md. A.B., Bryn Mawr College, 1920. Assistant Demonstrator in Psychology, and Graduate Scholar in Psychology, Bryn Mawr College, 1920-21; Graduate Student, Johns Hopkins University, 1921-22.

KIRKWOOD, JULIA ALLIE, *Fellow in Education.*

New Orleans, La. A.B., H. Sophie Newcomb College in Tulane University, 1921, and A.B. in Education, 1922. Teaching Fellow in Psychology, H. Sophie Newcomb College, 1921-22.

LITZINGER, MARIE PAULA, *Fellow in Mathematics.*

Bedford, Pa. A.B., Bryn Mawr College, 1920. Bryn Mawr European Fellow and Shippen Foreign Scholar, 1920-21; Teacher in Devon Manor School, Devon, Pa., and Graduate Student in Mathematics, Bryn Mawr College, 1920-22.

ALMACK, MARY RUTH,

Fellow by Courtesy and Graduate Scholar in Psychology.

Coshooton, O. A.B., Ohio State University, 1915, and M.A., 1916. Fellow in Psychology, Bryn Mawr College, 1916-18; Demonstrator in Experimental Psychology, 1918-20; Instructor in Psychology, University of Kansas, 1920-22.

BAECHLE, CECILIA IRENE,

Fellow by Courtesy and Graduate Scholar in Education.

Philadelphia. A.B., Bryn Mawr College, 1913, and M.A., 1920. Graduate Student, University of Pennsylvania, 1913-14, summers, 1914, 1915, 1917. Teacher of Latin, Seiler School, Harrisburg, Pa., 1914; of Latin and English, High School, York, Pa., 1914-16, and of English, 1916-19; Graduate Scholar in Education, Bryn Mawr College, 1919-20; Resident Fellow in Education, 1920-21; President's European Fellow, and Student, University of London, 1921-22.

BOSWELL, ELEANORE, . . . *Fellow by Courtesy and Graduate Scholar in Greek.*

Philadelphia. A.B., Bryn Mawr College, 1921. Bryn Mawr European Fellow and Shippen Foreign Scholar, and Graduate Student, Bedford College, University of London, 1921-22.

LEHR, ANNA MARGUERITE MARIE,

Fellow by Courtesy and Graduate Scholar in Mathematics.

Baltimore. A.B., Goucher College, 1919. Reader and Graduate Student in Mathematics, Bryn Mawr College, 1919-21; President's European Fellow and Fellow in Mathematics, 1921-22; American Association of University Women Fellow, elect, 1923-24.

NELSON, GRACE WANDELL,

Fellow by Courtesy and Graduate Scholar in Classical Archaeology.

Philadelphia. A.B., Wellesley College, 1917. Graduate Student, Wellesley College 1917-18; Graduate Scholar in Classical Archaeology, Bryn Mawr College, 1918-19, and Fellow in Classical Archaeology, 1920-22.

SCUDDER, NITA EMLINE,

Fellow by Courtesy and Graduate Scholar in English.

Oxford, Ohio. B.S., Miami University, 1920. Graduate Scholar in English, Bryn Mawr College, 1920-21, and Fellow in English, 1921-22.

ASHDOWN, ELLA, *British Scholar.*

Blackwater, Hants, England. B.A., University of London, 1915, and M.A., 1921. Assistant Mistress, Hants County Secondary School, 1916-17; Assistant Lecturer in English, University College, Exeter, 1918—.

CAMPBELL, PERSIA CRAWFORD, *British Scholar.*

Sydney, Australia. M.A., Sydney University, 1920. Graduate Student, London University School of Economics, 1920-22, and M.Sc., 1922. Lecturer in W. E. A., Sydney, 1919-20; Mistress of History, Presbyterian Ladies College, Sydney, 1919-20; Traveling Scholar of Sydney University, 1920-22; Administrative Officer, Agency General for New South Wales, London, June-September, 1922.

DOHERTY, FELICITAS MARY, *British Scholar.*

Edinburgh, Scotland. M.A., University of Edinburgh, 1918, with Honours in History, 1921; M.A. in Education and Cambridge Teachers' Certificate, St. George's Training College, Edinburgh, 1918-19.

MACINTOSH, GWENYTH DEAN, *British Scholar.*

London, England. Girton College, Cambridge, 1919-22; Classical Tripos, Part I, 1921; Part II, 1922.

FRYLINCK, WILHELMINA, *Dutch Scholar.*

Naarden, Holland. *Doctoranda*, English Philology, University of Amsterdam, 1922. Student, University of Gröningen, 1906-10; University of Zürich, 1919-21; University of Heidelberg, 1921; University of Amsterdam, 1921-22; Teacher of English, Training College, Amsterdam, 1913-18.

FELIX, MADELEINE CATHARINE MARIE, *French Scholar.*

Toulouse, France. *Licence-ès-Lettres (Anglais)*, University of Toulouse, 1921; M.A., Loretto College, 1922. Teacher of French, Loretto College, 1921-22; University of Wisconsin, Summer Session, 1922.

PIERROT, HENRIETTE, *French Scholar.*

Paris, France. *Licence-ès-Lettres*, University of Paris, 1916; *Diplôme d'études Supérieures de Philosophie*, 1917, and *Certificat d'études Supérieures d'embryologie*, 1918.

MALPEZZI, ORFEA, *Italian Scholar.*

Bologna, Italy. *Dottore in lettere*, University of Bologna, 1921.

SCHIÖDT-LARSEN, ASTA MARIE, *Scandinavian Scholar.*

Tönsberg, Norway. *Cand. Philol.*, University of Christiania, 1919; M.A. in Education, 1920. Lector, Grammar School of Drammen, 1920-22.

ACWORTH, WINIFRED BARBARA, *Social Economy.*

London, England. Newnham College, University of Cambridge, 1919-22. Mechanical Sciences Tripos, 1922.

ALBERTSON, MARY, *History.*

Magnolia, N. J. A.B., Bryn Mawr College, 1915. Teacher of English in the Baldwin School, Bryn Mawr, 1918-23. Tutor in English and History in the Summer School for Women Workers in Industry, Bryn Mawr, 1921, 1922.

ANDERSON, ROSE LUCILE, *Graduate Scholar in Mathematics.*

Jamestown, N. Y. A.B., Mount Holyoke College, 1922.

ANDRÉ, LOUISE MARIE, *Philosophy.*

Blois, France. Student, University of Poitiers, 1914-16; *Licence ès Lettres*, 1916; Teacher in the Lycée de Guéret, France, 1916-18; in the High School, Rockford, Ill., 1919-21; in the Shipley School, Bryn Mawr, 1921—.

- ATKINSON, MARY COOK,.....*Graduate Scholar in Chemistry.*
Newnan, Ga. B.S., Wesleyan College, 1919; M.S., Emory University, 1922. Assistant to
Professor of Chemistry and Physics, Wesleyan College, 1919-20.
- BARNES, HELENA MYRL,
Carola Woerishoffer Graduate Scholar in Social Economy and Social Research.
Elmira, N. Y. B.S., Elmira College, 1922.
- BARRINGER, FLORA McIVER,.....*Social Economy.*
Florence, S. C. A.B., Converse College, Spartanburg, S. C., 1922.
- BASSLER, KATHARINE RUSSELL,.....*Graduate Scholar in Mathematics.*
Cincinnati, O. A.B., Barnard College, 1922.
- BATCHELDER, URSULA CHASE,.....*History.*
Faribault, Minn. A.B., Bryn Mawr College, 1922. Teacher of History and Economics in
Mrs. Caskin's School, Overbrook, Pa., 1922-23.
- BAUSCH, FRIEDA BERTHA,.....*Graduate Scholar in German.*
Shippensburg, Pa. A.B., Pennsylvania College, Gettysburg, 1917; Pennsylvania State
College, Summer, 1915; University of Pennsylvania, 1918-19; University of Wisconsin,
Summer, 1919. Teacher in the High School, East Bank, W. Va., 1917-18; in Narberth,
Pa., 1918-19; in Cumberland Valley State Normal School, Shippensburg, 1919—.
- BISSETT, MARION WEAVER, *English, Economics and Politics and Psychology.*
Springfield, Mo. A.B., Drury College, Springfield, 1922.
- BLAKE, SUE AVIS,.....*Physics.*
Merion, Pa. A.B., Bryn Mawr College, 1898, and M.A., 1900. Demonstrator and Graduate
Student in Physics, Bryn Mawr College, 1898-99, and 1904-06, and Fellow in Physics,
1906-07; Graduate Student, Bryn Mawr College, and Teacher of Mathematics and
Science in the Misses Shipley's School, Bryn Mawr, 1899-1900; Assistant in Physics,
Smith College, 1900-02, 1903-04; Fellow in Physics, University of Pennsylvania, 1907-
08; Instructor in Physics, Smith College, 1910-15, Bryn Mawr College, 1918—.
- CAMPBELL, MARY,.....*French and Mathematics.*
Salina, Kans. A.B., Kansas Wesleyan University, 1922.
- CARPENTER,* ELEANOR HOUSTON HILL,.....*Greek and Music.*
Bryn Mawr, Pa. A.B., Bryn Mawr College, 1916. Administrative Assistant, Ordnance
Department, Washington, 1918-19. Graduate Student, Bryn Mawr College, 1920-23.
- CAUGHEY, MARY LAPSLEY,.....*Graduate Scholar in English.*
Sewickley, Pa. A.B., Vassar College, 1921. Graduate Scholar in English, Bryn Mawr
College, 1921-22.
- CLARK, ELEANOR GRACE,.....*Old Saxon and Old Norse.*
Portland, Ore. A.B., Oberlin College, 1918, and M.A., 1919. Teacher of English in St.
Helen's Hall, Portland, Ore., 1918-20.
- CLARK, JANE PERRY,.....*English and Italian.*
New York City. A.B., Vassar College, 1920, and M.A., Columbia University, 1922.
Reader in English, Bryn Mawr College, 1922-23.
- CLARK, RUTH ROSE,.....*Graduate Scholar in Chemistry.*
Brooklyn, N. Y. A.B., Barnard College, 1922.
- COALE,† SYDNEY BELLEVILLE,.....*Latin.*
Germantown, Philadelphia. A.B., Bryn Mawr College, 1918.
- COOPER, ELIZABETH MORGAN,.....*Mathematics.*
Syracuse, N. Y. A.B., Radcliffe College, 1913. Teacher of Mathematics in the Baldwin
School, Bryn Mawr, Pa., 1913—.
- CRANE, CLARA WHITNEY,.....*English and History.*
Bridgewater, Mass. A.B., Radcliffe College, 1914; M.A., Cornell University, 1918.
English Reader, Bryn Mawr College, 1914-16; Instructor in English, Wellesley College,
1916-17; Teacher of English, Miss Chapin's School, New York City, 1918-19; Teacher
of English, The Bryn Mawr School, Baltimore, and Graduate Student, Johns Hopkins
University, 1919-22; Teacher of English in the Baldwin School, Bryn Mawr, 1922-23.

* Mrs. Rhys Carpenter.

† Mrs. William E. Coale.

- CRAWFORD, MARY SINCLAIR,.....*French.*
Philadelphia. A.B., Wilson College, 1903; M.A., University of Pennsylvania, 1921.
Teacher in the Barber Memorial Seminary, Anniston, Ala., 1903-05; and in the Misses
Timlow's School, Washington, D. C., 1906; Founder and Co-Principal and Head of
French Department, King-Crawford Classical School, Terre Haute, Ind., 1906-16;
Dean and Head of French Department, Girtton School, Winnetka, Ill., 1916-18; Execu-
tive Secretary, Department of Women in Industry of Pennsylvania Council of National
Defense, 1918-19; Community Organizer for War Camp Community Service, 1919;
Graduate Student, University of Pennsylvania, 1918-19, 1920-23; Instructor in French,
Bryn Mawr College, 1919-21; Assistant to the Head Mistress, Phebe Anna Thorne
School, and Teacher of French, 1921-22; Tutor in French, Bryn Mawr College, 1921-23.
- DAUCHY, MARGUERITE CELESTINE,.....*Mathematics and Chemistry.*
Burlington, Vt. B.S., University of Vermont, 1922. Reader in Mathematics, Bryn Mawr
College, 1922-23.
- DAVIS, * VESTA FLORENCE,.....*Education.*
Bryn Mawr, Pa. B.S., Columbia University, 1922; Student, Indiana University, 1914-19;
Teacher in High Schools, 1917-19.
- DILLINGHAM, LOUISE BULKELEY,.....*French and Psychology.*
Englewood, N. J. A.B., Bryn Mawr College, 1916. Graduate Student, Columbia Uni-
versity, 1916-17; Private Secretary, 1917-18; Assistant Secretary, South Porto Rico
Sugar Company, Ensenada, Porto Rico, 1918-22; Warden of Rockefeller Hall, 1922-23.
- EWING, ELLEN LOUISA,.....*English.*
Bryn Mawr, Pa. A.B., Smith College, 1922.
- FAULKNER, ELLEN,.....*Economics.*
Keene, N. H. A.B., Bryn Mawr College, 1913. Science Teacher in the Low and Heywood
School, Stamford, Conn., 1914-16, and in Miss Spence's School, New York, 1917-18.
Clerk, Farmers' Loan Trust Co., Paris, 1918-21; Second Assistant, Boston Health
League, 1921-22; Warden of Merion Hall, 1922-23.
- FINLEY, GAIL,.....*Social Economy.*
Santa Ana, Calif. B.S., Monmouth College, 1918. Secretary, Santa Ana Walnut Growers'
Association, 1919-20; Clerk in Advertising Department, Marshall Field & Co., Chicago,
1920-21; Teacher in High School, Santa Ana, 1921-22.
- FLETCHER, JULIA MATHILDE,.....*Education.*
Indianapolis, Ind. Ph.B. in Education, University of Chicago, 1922. Teacher in Primary
Department, Phebe Anna Thorne School, Bryn Mawr, 1922-23.
- GABEL, ANNE MAY,.....*Graduate Scholar in Psychology.*
Lancaster, Pa. A.B., Bryn Mawr College, 1922.
- GARDINER, MARY SUMMERFIELD,.....*Psychology and Education.*
Brasted Chart, Kent, England. A.B., Bryn Mawr College, 1918. Information Secretary,
Y. W. C. A. Hostess House, Camp Mills, L. I., 1918-19; Secretary and Social Worker,
Henry Street Settlement, New York City, 1920-21; Warden of Denbigh Hall, Bryn
Mawr College, 1921-23.
- GETTYS, CORA LUELLE,.....*Susan B. Anthony Scholar in Politics.*
Lincoln, Neb. A.B., University of Nebraska, 1920, and M.A., 1921. Scholar in Political
Science, University of Nebraska, 1920-21, and Instructor in Political Science, 1921-22.
- GIFFORD, HELEN WING,.....*Carola Woerishoffer Scholar in Social Economy.*
New Bedford, Mass. A.B., Vassar College, 1915; B.S., Simmons College, 1917. Industrial
Secretary, Y. W. C. A., 1916-22.
- HALL, MARGARET,.....*Education.*
West Acton, Mass. A.B., Wellesley College, 1922.
- HAMMER, CHRISTINE POTTS,.....*Graduate Scholar in English.*
Pottstown, Pa. A.B., Bryn Mawr College, 1912; M.A., Cornell University, 1916. Private
Secretary and Graduate Student, Bryn Mawr College, 1912-13; Reader in English,
1913-15; Graduate Student, Cornell University, 1915-16; Teacher of English in the
Phebe Anna Thorne School, Bryn Mawr, 1916-17; in the True Light School, Canton,
China, 1917-18; Teacher and Head Mistress, The Wyndcroft School, Pottstown, 1918-
21; Teacher in the Bryn Mawr School, Baltimore, and Graduate Student, Johns Hopkins
University, 1921-22.

* Mrs. David E. Davis.

HENDRICKS, MARJORY EVEREST,

Robert G. Valentine Scholar in Social Economy and Social Research.

Washington, D. C. A.B., University of Wisconsin, 1918. New York School of Social Work, Summer Session, 1919; Editorial Clerk and Acting Chief of Publication Section, U. S. Bureau of Standards, 1918-19; Case Correspondent and Head of Information Service, Insular and Foreign Division, A. R. C., 1919-20; Case Worker, Associated Charities of Washington, D. C., 1921-22.

HIBBARD, RUTH,

Grace H. Dodge Scholar in Social Economy and Social Research.

Columbia, Mo. A.B., University of Missouri, 1922.

HINDS, ETHEL,

Grace H. Dodge Scholar in Social Economy and Social Research.

Washington, D. C. A.B., Swarthmore College, 1922.

HODGES, LOUISE-FROST, *Chemistry.*

Washington, D. C. A.B., Bryn Mawr College, 1918. Statistical Clerk, U. S. Shipping Board, 1918-19; Secretary, The Holton-Arms School, Washington, D. C., 1921-22; Warden of Pembroke Hall East, 1922-23.

HOLLINGER, HELEN ELIZABETH, *Graduate Scholar in Spanish.*

Trenton, N. J. A.B., Vassar College, 1921. Graduate Scholar in Spanish, Bryn Mawr College, 1921-22.

HUNT,* ELIZABETH PINNEY, *Economics and Politics.*

Haverford, Pa. A.B., Bryn Mawr College, 1912. Student in Training School, Bureau of Municipal Research, New York City, 1912-13; Legislative Reference Assistant and General Investigator, Office of National Progressive Service, New York City and Boston, 1913-14; Volunteer Social Worker, 1916-17; Graduate Student, Bryn Mawr College, 1918-20, 1921-22; Graduate Student, University of Stockholm, 1920-21; Teacher in the Baldwin School, Bryn Mawr, 1922-23.

INGRAHAM, HELEN, *French and Biology.*

La Harpe, Ill. B.S., Knox College, 1918; M.S., University of Chicago, 1921. Teacher in the High School, Lewistown, Ill., 1918-20; Graduate Student, University of Chicago, 1920-21; Demonstrator in Biology, Bryn Mawr College, 1921-23.

IRWIN, AGNES MILLER, *Graduate Scholar in Education.*

Philadelphia. A.B., Bryn Mawr College, 1910. Student of Stenography, Peirce Business School, Philadelphia, 1916; Secretary, School of Neurological Chemistry, University Hospital, Philadelphia, 1917-18; Private Secretary, 1916-17, 1918-19, 1921-22; Y. M. C. A. Worker, France, 1919-20.

JENKINS, DOROTHY DE GROFF, *Mathematics.*

Philadelphia. A.B., Bryn Mawr College, 1920. Statistical Clerk, Municipal Court of Philadelphia, 1921—.

JENNINGS, HENRIETTA COOPER, *History and Economics and Politics.*

Danville, Pa. A.B., Bryn Mawr College, 1922.

JESSEN,† MYRA RICHARDS, *German.*

Rosemont, Pa. A.B., Bryn Mawr College, 1915. Graduate Student, Bryn Mawr College, 1918-19, Sem. I, 1919-20, Sem. II; Teacher in the Baldwin School, 1921-23.

KLEINAU,‡ THELMA WILLIAMS, *Psychology.*

Bryn Mawr, Pa. A.B., Bryn Mawr College, 1921. Demonstrator in Experimental Psychology, 1921-22.

MACDONALD, MARY HELEN, *Mathematics.*

Ardmore, Pa. A.B., Bryn Mawr College, 1921. Assistant to the Secretary and Registrar of Bryn Mawr College, 1921-23.

MONROE, MARGARET MONTAGUE, *Psychology.*

Asheville, N. C. Barnard College, Columbia University, 1911-13. A.B., Mount Holyoke College, 1915. Scholar in Psychology, Bryn Mawr College, 1916-17, and Fellow in Psychology, 1918-20, and Graduate Student, 1921-23. Research Assistant in Physiological Optics, University of Pennsylvania Laboratory, 1921-23.

* Mrs. Andrew Dickson Hunt.

† Mrs. Karl Detlev Jessen.

‡ Mrs. Glenn Reichert Kleinau.

- MOSHER, MURIEL, *English*
New York City. A.B., Barnard College, 1923.
- PENNYPACKER, JULIA ELIZABETH, *Psychology*.
Ardmore, Pa. A.B., Vassar College, 1910. Graduate Student, University of Pennsylvania, 1915-16; Drexel Institute, 1917-18; Secretary of The Lyman School, Ardmore, 1914-15; Private Secretary, 1916-17; Assistant to the President of Carson College, 1918-22.
- RANKIN, DOROTHY MAY, *Education*.
A.B., Radcliffe College, 1920. Teacher of Latin in Concord Academy, Concord, Mass., 1920-22; in the Phebe Anna Thorne School, Bryn Mawr, 1922—.
- RHEINHOLD, ROSEMARY DOROTHY,
Carola Woerishoffer Graduate Scholar in Social Economy and Social Research.
Glencoe, Ill. A.B., Northwestern University, 1916. Teacher in the Township High School, Stockland, Ill., 1916-17; in the High School, Clear Lake, Ia., 1917-19, and in the High School, Flagstaff, Ariz., 1919-22.
- ROBERTS, ARDIS LAURA, *Penn College Scholar*.
Star, Idaho. A.B., Penn College, 1922. Instructor in Music, Summers, 1919, 1921.
- RUBEL, HELEN FRANCES, *English*.
New York City. A.B., Bryn Mawr College, 1921. Student in British Museum, London, 1921-22.
- SALUS,* THERESE MATHILDE BORN, *English*.
Indianapolis, Ind. A.B., Bryn Mawr College, 1918. Graduate Scholar in English, Bryn Mawr College, 1918-19; and Fellow in English, 1919-20; Mary E. Garrett European Fellow and Student in London, 1920-21.
- SHAW, HELEN LOUISE, *History*.
Overbrook, Philadelphia. Ph.B., University of Chicago, 1920. Teacher in Elementary Schools, 1913-18, in the Katharine Branson School, San Rafael, Calif., 1920-21; in the University of California Elementary School, 1921-22; in Mrs. Caskin's School, Overbrook, 1922-23.
- SHEROW, JULIA CATHERINE, *Earlham College Scholar*.
Millbrook, N. Y. A.B., Earlham College, 1922.
- SHOWALTER, MARY AGNES, *Graduate Scholar in Romance Languages*.
Danville, Ind. A.B., University of Illinois, 1922.
- SPINELLI, BEATRICE NORAH, *English*.
Philadelphia. A.B., Bryn Mawr College, 1921. Teacher in the High School, West Philadelphia, 1921-22, 1922-23; Advertising Manager, Blum Store, February-August, 1922.
- STORRS, MARGARET, *Philosophy and Psychology*.
New Haven, Conn. A.B., Smith College, 1922. Reader in Philosophy and Psychology, Bryn Mawr College, 1922-23.
- TENNEY, MARY FRANCES, *Graduate Scholar in Latin*.
Atlantic City, N. J. A.B., Oberlin College, 1917. Teacher of English and Latin in Ward Academy, Academy, S. Dak., 1917-18; Lindstrom, Minn., 1918-19; St. Helen's Hall, Portland, Ore., 1919-20; Graduate Student, Bryn Mawr College, 1921-22.
- THOMPSON, MARJORIE LA MONTE, *History of Art*.
Haverford, Pa. A.B., Bryn Mawr College, 1912. Teacher of English in the Baldwin School, Bryn Mawr, 1916-22.
- TOWLE, ELIZABETH WILLIAMS, *Biology*.
Bryn Mawr, Pa. Bryn Mawr College, 1898, and M.A., 1899. Graduate Student, University of Chicago, 1903-04, Columbia University, 1904-05, Cornell University, summers, 1900, 1901. Teacher in the High School, Middletown, Conn., 1900-01; Rockford College, 1901-03; American College for Girls, Constantinople, 1919-21; Teacher in the Baldwin School, Bryn Mawr, 1907-19, 1921—.
- WAGNER, MERCELIA, *Education*.
Oneida, N. Y. A.B., Wellesley College, 1917. Laboratory Assistant in Botany, Wellesley College, 1917-18; Instructor in Botany, Sweet Briar College, 1918-20; Teacher in the Phoebe Anna Thorne School, 1920—.

* Mrs. Herbert Salus.

- WASSERMAN, MARGARET,.....*History and Politics.*
 Germantown, Philadelphia. A.B., Wellesley College, 1922.
- WEAVER, BETTY,.....*Greek, Latin and Education.*
 Wayne, Pa. A.B., Bryn Mawr College, 1920. Teacher of Latin in St. Timothy's School,
 Catonsville, Md., 1920-22.
- WENTWORTH, HAZEL AUSTIN,.....*Psychology.*
 Wayne, Pa. A.B., Smith College, 1921. Science Teacher, Mississippi Synodical College,
 1921-22.
- WESNER, MARY BOYDE,.....*Latin.*
 Bryn Mawr, Pa. A.B., Bryn Mawr College, 1910. Graduate Student, Columbia Uni-
 versity, 1914-15; Bryn Mawr College, 1916-17; Teacher of English in Oaksmere School,
 New Rochelle, N. Y., 1910-12; in Bishop's School, La Jolla, Calif., 1912-13; in the
 Merrill School, Mamaroneck, N. Y., 1914-15; private tutor, 1913-15; Teacher of Latin
 in the Concord School for Girls, Concord, Mass., 1915-16, and in Miss Wright's School,
 Bryn Mawr, 1916-18; Clerk, Emergency Fleet Corporation, 1918-19.
- WOLFF, MABEL PAULINE,.....*History.*
 Myerstown, Pa. A.B., Barnard College, 1905, and M.A., Columbia University, 1915.
 Teacher, Public School, Patton, Pa., 1905-06, Allentown College for Women, 1906-07,
 Paulsboro High School, Gloucester City, N. J., 1907-11, Washington Seminary, Wash-
 ington, Pa., 1911-14, and Leominster High School, Leominster, Mass., 1915-16. Teacher
 in the Phebe Anna Thorne School, 1916—.
- WYCKOFF, DOROTHY,.....*Latin.*
 Bryn Mawr, Pa. A.B., Bryn Mawr College, 1921. Teacher in the Misses Kirk's School,
 Bryn Mawr, 1922—.
- YOUNG, HELEN HAWTHORNE,.....*Graduate Scholar in English.*
 Campbelllo, Mass. A.B., Boston University, 1919; M.A., Cornell University, 1922.
 Teacher of English in the High School, Peterborough, N. H., 1919-20, and in the High
 School, Concord, N. H., 1920-21; Graduate Student, Cornell University, 1921-22.

SUMMARY OF FELLOWSHIPS AWARDED.

EUROPEAN FELLOWSHIPS.	Founded by	Date.	Number of Holders.
Bryn Mawr (for Senior Class)	The Trustees	1885	34
Mary Elizabeth Garrett (for second year graduates)	Miss Garrett	1894	29
President M. Carey Thomas (for first year graduates)	Miss Garrett	1896	27
Anna Ottendorfer Memorial Research Fellowship in Teutonic Philology	Mrs. Anna Woerishoffer	1907	9††
SPECIAL EUROPEAN FELLOWSHIPS.			
Bryn Mawr Travelling Fellowship	Anonymous Donor	1920	6
Bryn Mawr Research	Anonymous Donor	1906	1
Special European	Anonymous Donor	1909	1
Special European	Anonymous Donor	1915	1
Special European	Anonymous Donor	1916	1
Total number of European Fellows, omitting duplicates			

107†

RESIDENT OR TRAVELLING.

Helen and Cecil Rubel Foundation Fellowship	Miss Helen Rubel	1920	3
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RESIDENT FELLOWSHIPS.	Founded by the Trustees in	Number of Holders.
In Greek	1885	29**††
In Latin	1892	29
In English	1885	34*\$
In Teutonic Philology	1893	18††
In Romance Languages	1893	22††
In Semitic Languages	1912	3††
In History or Economics and Politics	1885	32††
In Economics and Politics	1912	9††
In Social Research	1915	16††
In Philosophy or Psychology	1896	16§§
In Psychology	1915	6§
In Education	1917	5
In Archæology	1909	6††
In History of Art	1920	1
In Mathematics	1885	29††
In Physics	1896	13
In Chemistry	1893	23§§
In Geology	1912	7
In Biology	1885	27††
Research Fellowship in Chemistry	1907	3†
Helen Schaeffer Huff Research Fellowship in Physics or Chemistry, founded by an anonymous donor in 1913		5¶§
Total number of Resident Fellows, omitting duplicates . .		

315

Total number of Fellowships awarded,

471†

* Two students have held Fellowships in English who also held Fellowships in other subjects.

† Two of these students previously held a Fellowship in Chemistry.

‡ Of these fifty-nine have held both European and Resident Fellowships.

§ One student held this Fellowship for two years.

** One of these students previously held a Fellowship in Latin and one a Fellowship in English.

†† Two students held this Fellowship for two years.

‡‡ Three students held this Fellowship for two years.

§§ Four students held this Fellowship for two years.

¶ Two of these students previously held a Fellowship in Chemistry, one held a Fellowship in Physics.

BRYN MAWR COLLEGE.

GRADUATE COURSES OF INSTRUCTION.

BRYN MAWR COLLEGE, situated at Bryn Mawr, Pennsylvania, five miles from Philadelphia, was endowed by Dr. Joseph W. Taylor of Burlington, New Jersey, who died January 18, 1880. By his will he left the greater portion of his estate for the purpose of establishing and maintaining an institution of advanced learning for women. In the spring of 1885 the first program was issued, and the College opened for instruction in the following autumn.

Three classes of persons are admitted to the lectures and class work of the College—graduate students, undergraduate students, and hearers. For the convenience of graduate students the regulations of the graduate department and the graduate courses of instruction are published separately. No undergraduates are admitted to graduate courses.

Regulations of the Graduate Department.

From the first it has been the policy of the Trustees of Bryn Mawr College to organize no department in which they could not provide for graduate as well as undergraduate study. Only such instructors have been chosen as are qualified to direct both graduate and undergraduate work. In each department a consecutive series of graduate courses pursued throughout three years provides preparation in the chief or major subject of the examination for the degree of Doctor of Philosophy, and certain courses may be pursued for one or two years and offered as one of the two minor or secondary subjects.

Admission.

Graduate students must have presented a diploma from some college of acknowledged standing.* They may pursue any

* The certificates of the women's colleges of the English Universities of Oxford and Cambridge are regarded as equivalent to a first degree,—i. e., to the degree of Bachelor of Arts.

courses offered by the College for which their previous training has fitted them; but they must satisfy the several instructors of their ability to profit by the courses they desire to follow, and may be required to pursue certain introductory or auxiliary studies before they are admitted to the advanced or purely graduate courses. They are, moreover, entitled to personal guidance and direction, supervision of their general reading and furtherance of their investigations from the instructors, and their needs will be considered in the arrangement of new courses of lectures; they must consult the President in regard to the courses they are to pursue, and must be duly registered for those courses at the President's office.

A reading knowledge of French and German is regarded as of the utmost importance to all graduate students, and is required of all candidates for a second degree. The undergraduate department will afford the student every opportunity for making good any deficiencies in this respect.

Fellowships and Scholarships.

The most distinguished place among the graduate students is held by the Fellows, who must reside in the college during the academic year. Twenty-one resident fellowships, of the value of eight hundred and ten dollars each, are awarded annually in Greek, Latin, English, Romance Languages, Semitic Languages and Biblical Literature, History, Philosophy, Psychology, Education, Archæology, History of Art, Mathematics, Physics, Chemistry, Geology, and Biology, the Justus C. Strawbridge Fellowship in Economics and Politics, the two Carola Woerishoffer Fellowships in Social Economy and Social Research, and two Grace H. Dodge Memorial Fellowships in Industrial Relations and Personnel Administration. They are open for competition to graduates of Bryn Mawr College, or of any other college of good standing, and will be awarded only to candidates who have completed at least one year of graduate work after obtaining their first degree. The fellowships are intended as an honour, and are awarded in recognition of previous attainments; generally speaking, they will be awarded to the candidates that have studied longest or to those whose work gives most promise of future success.

The Helen Schaeffer Huff Memorial Research Fellowship founded in 1913, is awarded annually to a student desiring to carry on research in either Physics or Chemistry, to be held during one year's work at Bryn Mawr College. The value of the Fellowship in 1923-24 will be twelve hundred dollars.

Applicants for this fellowship must be students who have done advanced graduate work at Bryn Mawr College or at other colleges or universities and have shown capacity for research. The award of the fellowship will depend primarily upon the record of the applicant as a research student. Where equally good candidates are considered, preference will be given to a student working on problems which may be considered to lie along the borderline between Chemistry and Physics. The fellowship may under exceptional circumstances be awarded in consecutive years to the same student, or the fellowship may be given to a graduate student studying at Bryn Mawr College to be held during one year's work at some other American college or university if in the opinion of the Committee it is imperative for that student to go to some other college or university in order to complete an important piece of investigation.

All fellows may study for the degree of Doctor of Philosophy, the fellowship being counted, for this purpose, as equivalent to the degree of Bachelor of Arts. Fellows that continue their studies at the College after the expiration of the fellowship, may, by a vote of the directors, receive the rank of Fellows by Courtesy.

The holder of a fellowship is expected to devote at least one half her time to the department in which the fellowship is awarded, and to show, by the presentation of a thesis or in some other manner, that her studies have not been without result.

Fellows are expected to attend all college functions, to wear academic dress, to assist in the conduct of examinations, and to give about an hour a week to the care of departmental libraries in the seminaries and in the halls of residence, but no such service may be required of them except by a written request from the president's office; they are not permitted, while holding the fellowship, to teach, or to undertake any other

duties in addition to their college work. Fellows* are required to reside in the college and are assigned rooms by the Secretary of the College. They are charged the usual fee of seven hundred and ten dollars for tuition, board, room-rent, and infirmary fee.

A resident Intercollegiate Community Service Association and Bryn Mawr College joint fellowship† was established in 1915 and is offered by the Intercollegiate Community Service Association and by some alumnae of Bryn Mawr College to a Bryn Mawr College graduate who wishes to prepare herself for settlement work. The value of the fellowship is \$650, \$200 of which is given by the College to meet the tuition fee. The holder of the fellowship is required to live in the College Settlement in Philadelphia and to give her entire time to the work of the Department of Social Economy. There is a charge of \$7.00 a week for board and lodging in the Settlement and in addition to the usual charge of \$200 for the graduate tuition fee in Bryn Mawr College, the usual laboratory and transportation fees. Applications may be sent to the President of Bryn Mawr College.

Two additional joint fellowships of the value of \$450 are offered by the Intercollegiate Community Service Association in conjunction with Smith College and Wellesley College, to graduates of Smith College and Wellesley College, respectively, who wish to prepare themselves for community service. These fellowships may be held in connection with the College Settlement of Philadelphia.

Opportunity is offered by the College Settlement of Philadelphia for two graduate students to reside at the settlement paying a minimum rate of board, to take at least six hours of practice work at the settlement, and to pursue courses in the Carola Woerishoffer Graduate Department.

Twenty Graduate Scholarships, of the value of three hundred and fifty dollars each, may be awarded to candidates next in

* It is expected that fellows and scholars of the college will uphold the college standards of scholarship and conduct and give loyal support to the Students' Association for Self-Government.

† The term fellowship is used here because adopted by the Intercollegiate Community Service Association. The condition of one year's graduate study required of candidates for Bryn Mawr College resident fellowships does not apply.

merit to the successful candidates for the fellowships; they are also open for competition to graduates of Bryn Mawr College, or of any other college of good standing. Scholars* are expected to reside in the College, to attend all College functions, to wear academic dress, and to assist in the conduct of examinations. They may undertake, while holding the scholarship, only a very limited amount of teaching or other paid work approved in advance by the President's office.

The Susan B. Anthony Memorial Research Scholarship in Social Economy and Social Research or in Politics, of the value of five hundred and fifty dollars, was founded in 1910 by the Executors of the late Susan B. Anthony, the late Dr. Anna Howard Shaw and Miss Lucy E. Anthony, in memory of Susan B. Anthony's work for women's college education. It is awarded to the candidate wishing to devote herself to studies dealing with the position of women in industry and politics whose work shows most promise of future success. The holder is required to complete for publication a study in one or the other of these subjects and one-half the amount of the scholarship, two hundred and seventy-five dollars, will be retained by the College until the above study, approved by the department and in complete form for publication is filed in the President's office.

The Robert G. Valentine Memorial Scholarship in Social Economy and Social Research of the value of ~~four hundred~~ ^{\$350} ~~dollars~~ is offered by Mrs. Frank W. Hallowell of Chestnut Hill, Massachusetts, to be awarded by the President and Faculty of Bryn Mawr College on the recommendation of the Director of the Carola Woerishoffer Department of Social Economy and Social Research to a candidate approved by the donor. It is open to graduates of Bryn Mawr College or of any other college of good standing.

Several Grace H. Dodge Memorial Scholarships in Social Economy in preparation for Industrial Relations and Personnel Management, of the value of ~~four hundred dollars~~ ^{\$350} each, are offered in the Carola Woerishoffer Department of Social Economy, on the Grace H. Dodge Foundation, open for com-

* It is expected that fellows and scholars of the college will uphold the college standards of scholarship and conduct and give loyal support to the Students' Association for Self-Government.

petition to graduates of Bryn Mawr College or of any other college of good standing.

Nine graduate scholarships of the value of seven hundred and twenty dollars each are available for distribution to European women students. In general three will be awarded to British women, three to French women and three to women belonging to other European countries. They are open for competition to all women of the prescribed nationality whose academic work has reached a standard equivalent to that denoted by the Bachelor's degree of an American college or university of acknowledged standing. Renewal of these scholarships for a second year will not be granted except in very exceptional cases.

Holders of the scholarships are required to be in continuous residence at the college and to follow regular approved courses of study. The scholarships are of the value of \$720 and cover only the fees for board, residence, and tuition at Bryn Mawr College for one academic year. In addition those holders of scholarships who so desire may, if possible, be given an opportunity to teach or do some other kind of work in the College for not more than five hours a week. The scholars are not permitted to accept any paid position except as arranged by the College. Holders of the scholarships must meet their own travelling expenses. A furnished single room in the graduate wing of one of the halls of residence is assigned to each scholar, but this is not available in the Christmas and Easter vacations when scholars who remain at the college have to pay the expenses of board and residence.*

Application for resident fellowships or scholarships should be made as early as possible to the President of the College,† and must be made not later than the first of April preceding the academic year for which the fellowship or scholarship is desired. Blank forms of application will be forwarded to the applicants.

* For the rates see page 42.

† Applications for the scholarships for foreign women should be accompanied by full particulars of the candidate's academic work, by diplomas or certificates, and by letters of recommendation from professors, and should be addressed to the office of the Recording Dean, Bryn Mawr College, Bryn Mawr, Pennsylvania, U. S. A., if possible by May the first, or in the case of French students they may be addressed to M. Petit Dutailly, Office National des Universités et Ecoles Françaises, 96 Boulevard Raspail, Paris. This office will assist French scholars with a 30 per cent rebate on the cost of their passage over and back and a monthly allowance for incidental expenses.

A definite answer will be given within about two weeks from the latest date set for receiving applications. Any original papers, printed or in manuscript, which have been prepared by the applicant and sent in support of her application, will be returned, when stamps for that purpose are enclosed, or specific directions for return by express are given. Letters or testimonials from professors and instructors will be filed for reference.

Two European fellowships, founded by the late Miss Mary Elizabeth Garrett, of Baltimore, are open to graduate students who are enrolled as candidates for the degree of Doctor of Philosophy. One, founded in 1896, and named by the donor the President M. Carey Thomas Fellowship, is awarded annually on the ground of excellence in scholarship to a student in her first year of graduate work at Bryn Mawr College; the other, founded in 1894, and known as the Mary Elizabeth Garrett Fellowship, is awarded annually on the ground of excellence in scholarship to a student still in residence who has for two years pursued graduate studies at Bryn Mawr College. These fellowships, of the value of five hundred dollars each, are to be applied towards the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The Anna Ottendorfer Memorial Research Fellowship* in German and Teutonic Philology of the value of seven hundred dollars applicable towards the expenses of one year's study and residence at some German university is awarded annually to a graduate student who has completed at least one year of graduate study at Bryn Mawr College. The fellowship will be awarded to the candidate who has pursued the most advanced work, or whose studies afford the most promise of future success. She must show such proficiency in her studies or in independent work as to furnish reason to believe that she will be able to conduct independent investigations in the field of Teutonic Philology or German.

The Helene and Cecil Rubel Foundation Fellowship* of the value of \$1,500 was founded in 1920 by Miss Helen Rubel,

* Application for this fellowship should be addressed to the President before March 1.

of New York City, to be awarded in each year by the Faculty of Bryn Mawr College with the approval of the donor. The fellowship may be awarded to any woman who has at any time studied in the graduate school of Bryn Mawr College long enough to have shown her ability irrespective of whether her work was planned to lead to a degree or not. The fellowship may be held at any centre of education that may be selected by the student and approved by the Faculty as best suited to her individual needs, or may, in special cases, be used as a travelling fellowship to give opportunity for the study of conditions in which the student may be interested in different parts of the world. The fellowship shall not necessarily be offered as an aid to study for a higher degree, but may be used by the holder, with the approval of the faculty, in whatever way may best advance the purpose she has in mind. The fellowship shall be awarded to the best student but if she can afford to carry out her plans with her own income she shall return the amount of the fellowship to the College to be used by another student in the same year.

Studies Leading to a Second Degree.

Graduates of Bryn Mawr College, and graduates of other colleges who shall have satisfied the Academic Council that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given at Bryn Mawr College, or who shall have attended such additional courses of lectures as may be prescribed, may apply to the Academic Council to be enrolled as candidates for the degree of Master of Arts or for the Degree of Doctor of Philosophy and Master of Arts; admission to the graduate school does not, in itself, qualify a student to become a candidate for these degrees.

The Degree of Master of Arts.

The degree of Master of Arts may be conferred upon graduates of Bryn Mawr College and upon graduates of other colleges who shall have satisfied the Graduate Committee that their course of study has been equivalent to that for which the degree of Bachelor of Arts is given at Bryn Mawr College, or

that it has been adequately supplemented by subsequent study.

Graduate Students who desire to become candidates for the M.A. degree are advised to provide themselves with their complete academic record, including their entrance credits, and to make application for the degree if possible before May first in the spring preceding their entrance to Bryn Mawr in order that the Graduate Committee may estimate their work as early as possible and advise them how to make up deficiencies.

For students from colleges or universities outside the United States whose courses have not been exactly equivalent to the Bryn Mawr College course in subjects, the Graduate Committee will judge each case on its merits.

REGULATIONS.

Course of Study.—Each candidate must attend at Bryn Mawr College three seminaries, or two seminaries and one post-major (third or fourth year undergraduate) course. A seminary requires one-third of the student's time for one year; hence to fulfil this requirement the student must devote her entire time for one year to graduate study. Unless, therefore, she has completed all the other requirements before beginning the work for the M.A. degree she will not be able to complete the work in one year.

Admission to Seminaries.—Preliminary training equivalent to the Bryn Mawr College undergraduate major course* in the subject of the seminary is required for admission to a seminary (or undergraduate course equivalent to a seminary) to be counted for the M.A. degree. In special cases, with the approval of the department concerned, work not necessarily equivalent to the Bryn Mawr College undergraduate major course in related subjects of equivalent value in preparation may be accepted. The candidate must however have taken the equivalent of a major course in some subject.

Examinations.—The candidate is required to pass satisfactorily examinations on the seminaries or courses offered, such examinations being held in the first week of the May examination period.

PRELIMINARY REQUIREMENTS.

(a) *Reading Knowledge of French and German.*

All candidates must prove their ability to use these languages in graduate seminaries by passing a written examination in these languages. The only exception is that a graduate of Bryn Mawr College who becomes a candidate for the M.A. degree within two years after graduation and has taken the yearly examination in French or German is excused from examination in this language.

Dates of Examinations in French and German.—Examinations will be held each year on or about October 15th and again before Thanksgiving. Both examinations must in general be passed before Thanksgiving of the

* See Bryn Mawr College Calendar. This amounts to 20 semester hours, but in English to 40 semester hours, of undergraduate college training. Compare, however, paragraph (b) below for the equivalents for the first 20 hours of English.

year in which the candidate takes her degree, but the Graduate Committee may, at its discretion, decide to give a candidate who fails at Thanksgiving in either language another trial at some time during the first semester.

If the candidate devotes two years to work for the degree she may take one or both examinations in the first* year.

(b) *Knowledge of English.*

1. *Ability to Write Correct English.*—The candidate must satisfy the Department of English Composition that she is able to write correct English, and in case of failure to do so will be requested by the Graduate Committee to make up deficiencies in this respect by entering a graduate course in English composition. She must also be able to give a report or carry on discussion in satisfactory English.

2. *English Literature, or Literature of Other Languages.*—A candidate is required to present credits in her undergraduate college course for ten semester hours in literature, at least five of which must be English Literature, and in case of failure to do so will be requested by the Graduate Committee to make up deficiencies.

(c) *Knowledge of Latin.*

All candidates are required to have a knowledge of Latin prose of the standard of Cæsar and Cicero. Candidates who have no credit for Latin on entrance to college are required to pass an examination in Latin Prose Authors of the standard of Cæsar and Cicero, and some questions on grammar may be included. Candidates who have certificates covering part of this ground will be examined on the part in which they are deficient.

Time of this examination: End of first semester. The Graduate Committee may at its discretion grant a second examination early in the second semester to a student who has failed.

(d) *Knowledge of Philosophy, Psychology, Laboratory Sciences, or Mathematics.*

A candidate is required to present credits obtained in her undergraduate college course for twenty semester hours of work in two or more of the subjects, Philosophy, Psychology, Laboratory Science (*i. e.*, Physics, Chemistry, Geology or Biology) or Mathematics, not more than ten of these semester hours to be in any one of these subjects and the twenty hours may not be entirely in Philosophy and Psychology. If, however, the candidate has no entrance credit in a Science which has included laboratory work she will be requested by the Graduate Committee to make up her deficiency by taking in Bryn Mawr College at least six semester hours of Science accompanied by laboratory work which may be counted in the above twenty hours.

* Since the student's entire time should be given to the work of her seminaries, candidates are advised, whenever possible, to prepare for these language examinations before entering the College and to pass them off in the October examination.

Doctor of Philosophy and Master of Arts.

The degree of Doctor of Philosophy and Master of Arts* may be conferred upon graduates of Bryn Mawr College, and upon graduates of other colleges who shall have satisfied the Graduate Committee either that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or that it has been adequately supplemented by subsequent study. The degree is given to no one who cannot read French and German, or who is unacquainted with Latin. The degree of Doctor of Philosophy will in no case be conferred by the College as an honorary degree.

REQUIREMENTS.

1. *Time.*—The earliest date at which the Ph.D. degree may be taken is three years† after graduation, but the element of time is subordinate to the other requirements. The minimum of three years will usually be exceeded.

2. *Residence.*—The candidate must devote to graduate work the equivalent of three full years, of which at least two must be at Bryn Mawr, and the third if not at Bryn Mawr at some other college or university approved by the Graduate Committee.

3. *Subjects.*—The course of study shall consist of one major subject and two minor subjects, of which one (the associated minor) shall be in the same department as the major subject, or in a closely allied department specified in the printed requirements; the other (the independent minor) shall complete a combination authorised in the printed requirements. Certain combinations will permit the independent minor to be taken in the same department as the associated minor, when this is not in the same department as the major subject. The printed list of independent minors shall consist of subjects that are recommended, and the Graduate Committee shall have power to accept subjects not specified in the list.

4. *Courses.*—During the three years devoted to graduate work the candidate shall take a certain number of seminars stated below; in case any part of the three years is spent at some other college or university, the Graduate Committee shall determine the Bryn Mawr equivalents of the courses there taken.

In the major subject together with the associated minor the candidate shall take during each of three years one journal club and two seminars,

* This is the form in which the degree has always been conferred.

† It is understood that the work done for the separate degree of Master of Arts does not necessarily count as a full year towards the degree of Doctor of Philosophy and Master of Arts.

or graduate courses recognized by the Graduate Committee as seminars;* in the independent minor she shall take for one year two of seminars, or graduate courses recognized as seminars. The division of the seminars between the major and the associated minor shall be subject to the approval of the Supervising Committee. In no case shall less than two seminars and one journal club for two years be taken in the major subject.

The required courses may be spread over more than three years; but the student may not take four required seminars with one instructor unless authorized by the Graduate Committee.

No post-major work or work equivalent to post-major shall count towards the degree, even though a candidate may be obliged to take such work in order to supplement her preparation in her subjects, except in the case of such courses in science as shall be designated in the calendar and accepted by the Graduate Committee as equivalent to graduate seminars in virtue of assigned supplementary reading or laboratory work or both.

Of the courses required in the major and associated minor, two seminars and one journal club for at least two years must be taken before the Preliminary Examination, as well as the whole of the work in the independent minor. All must be completed before the Final Examination.

5. *Dissertation.*—The dissertation must be the result of independent investigation in the field covered by the major subject, under such direction as may be necessary; it must contain new results, arguments, or conclusions, or it must present accepted results in a new light. It must be published within three years from the Commencement after the candidate has passed the Final Examination, unless a special extension of time is granted by the Graduate Committee; and 150 copies (including the vita), of which two must be bound in a specified manner, must then be supplied to the College. The candidate shall not be entitled to use the degree until her dissertation shall have been published in approved form.

6. *Examinations.*—The progress and attainments of the candidate shall be tested by examinations as explained in the printed regulations.

Registration.—Before an applicant for the degree of Ph.D. can be admitted as a candidate she must submit† to the Graduate Committee in writing an account of her general preparation, stating in particular the extent of her knowledge of Latin, French, and German; stating also the subjects she wishes to offer as major and minors for the degree, and the amount and character of the work already done in these subjects. If this statement is satisfactory she will be registered as a candidate. When the Graduate Committee decides that the candidate's preparation is in any way insufficient she will be required to undertake suitable extra work.

* The Graduate Committee may count as the equivalent of a seminary an amount of work that requires about fourteen hours per week of the student's time.

† If the major is taken in Science one seminary may be omitted in the independent minor under certain conditions.

‡ Using the application blank issued by the Graduate Committee.

Expenses.

For graduate students attending six or more hours a week of lectures, and for fellows and graduate scholars the tuition fee is two hundred dollars a year, payable half yearly in advance at the beginning of each semester. For other graduate students who do not wish to devote all their time to graduate work the fees are as follows, payable in advance: for one hour a week of lectures, eighteen dollars a semester; for two hours a week of lectures, thirty-six dollars a semester; for three hours a week of lectures, forty-eight dollars a semester; for four or five hours a week of lectures, sixty-five dollars a semester.* This arrangement is made especially for non-resident graduate students, but those who wish to take five hours a week of lectures or less may live in the College halls on the understanding that they must give up their rooms if needed for students who are taking the full amount of graduate work and paying the regular tuition fee. No student may, however, live in the Halls of Residence who does not register for a course or research work amounting to at least a two-hour lecture or seminary course. The tuition fee for the semester becomes due as soon as the student is registered in the College office. No reduction of this fee will be made on account of absence, dismissal during the currency of the semester, term, or year covered by the fee in question, or for any other reason whatsoever. Graduate students are admitted to residence or to attendance on lectures at any time during the year, and in this case a proportionate reduction is made in the charges for board and room-rent and for tuition. Every student who enters the College must register immediately at the Comptroller's office, and must register her courses at the President's office within two weeks after entrance under penalty of exclusion from the College.

* The fees charged are reckoned on the basis of the actual hours of conference or lecture irrespective of the number of undergraduate hours to which the course is regarded as equivalent.

In counting the number of hours for which a graduate is registered the following special arrangements are made in regard to laboratory courses: payment for a one hour lecture course in a scientific department entitles the student to four hours of laboratory work in addition with no extra charge except the laboratory fee. Students registered for laboratory work only, are charged the following tuition fee: for each two and one-half hours of undergraduate laboratory course and for each five hours of graduate laboratory course the same fee as for a one hour lecture course. The laboratory fees as stated on page 41 are charged in addition to the charge for tuition.

Any change made later in the courses registered must be reported immediately to the President's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

Graduate students taking courses in scientific departments (Physics, Chemistry, Geology, Biology, and Psychology) amounting to six or more hours a week of lecture courses or its equivalent in laboratory courses are charged a laboratory fee of twenty-one dollars and fifty cents a semester with the following exceptions: if the student takes, as a regular student, courses in subjects not enumerated above amounting to six hours a week the laboratory fee is reduced to fifteen dollars a semester; and if she takes, as a regular student, courses in subjects not enumerated above amounting to ten hours a week the laboratory fee is reduced to seven dollars and a half a semester.

Graduate students taking less than six hours a week of lectures, or its equivalent in laboratory work, and graduate students taking one undergraduate laboratory course only are charged a laboratory fee of fifteen dollars a semester for every laboratory course of four or more hours a week, and of seven dollars and fifty cents a semester for every laboratory course of less than four hours a week.

In courses in Geology each hour of field work counts as one hour of laboratory work.

All graduate students, including Fellows and Scholars, taking courses in the Department of Social Economy and Social Research are charged a laboratory fee of \$10 a semester, and may also be required to provide themselves with two 50-trip tickets between Bryn Mawr and Philadelphia costing \$9.18 cents each, and to meet their travelling and incidental expenses while working in the field during the semester and vacations. An allowance not exceeding fifty dollars will be made to each Fellow and Scholar towards these expenses. The fee for the certificate is \$10, and all Fellows and Scholars are expected to complete work for a certificate and are charged the \$10 certificate fee.

The fee for laboratory courses in Applied Psychology and Educational Psychology for graduate students is \$6 a semester.

Residence.

Residence in the college buildings is optional except for holders of resident fellowships and scholarships. Those who do not reside in the college buildings are expected to make arrangements which are satisfactory to the college. Former students returning to write a dissertation or to do research work are required to register and to pay the minimum fee of eighteen dollars a semester if they wish to make use of the library and seminary rooms. In each hall of residence, except Merion Hall, a special wing or corridor is reserved for graduate students, and in order to secure entire quiet no undergraduate students are permitted to engage rooms in the graduate wings. The expense of board and residence in the graduate wings of the College halls is five hundred dollars. Of this amount four hundred dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-

rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expenses of furnishing, service, heating and light.

Plans and descriptions of the academic buildings and of the halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall West, Pembroke Hall East, and Rockefeller Hall, with a full account of the halls and tariff of rooms, are published as Part 4 of the Bryn Mawr College Calendar and may be obtained by application to the Secretary of the College. Each of the halls of residence (except Pembroke, which has a common dining-hall and kitchen for the two wings) has its separate kitchen and dining-hall, provides accommodation for from sixty to seventy students, and is under the charge of a resident warden.

Application for rooms should be made as early as possible. The demand for graduate rooms is very great, and since every room unnecessarily reserved may prevent some other student from entering the college, a deposit of fifteen dollars is required in order that the application may be registered. In case the applicant enters the College in the year for which the room is reserved, the amount of the deposit is deducted from the first College bill. If she changes the date of her application or files formal notice of withdrawal at the Office of the Secretary and Registrar before August first of the year for which the application is made, the deposit will be refunded. If, for any reason whatever, the change or withdrawal be made later than August first, the deposit will be forfeited to the College. Students making application for a room for the second semester forfeit the deposit if they do not file notice of withdrawal at the Secretary's office before January first of the academic year for which the room is reserved. In order to make application for a room it is necessary to sign a room-contract, which will be sent on application, and return it with the fee of fifteen dollars to the Secretary and Registrar of the College. A deposit of fifteen dollars must also be made by each student in residence in order to insure the tenure of her room for the following academic year. This sum will be forfeited if formal notice of withdrawal is not filed at the office of the Secretary and Registrar on or before May first of the current year.

Every applicant who reserves a room after the first of September or who fails to withdraw her application by that date and either does not occupy the room at all or vacates it during the college year prevents some other student from obtaining accommodation and consequently admission to the college. Therefore, unless formal notice of withdrawal of application for the ensuing academic year is received by the Secretary and Registrar of the College by the first of September (or in the case of an application for the second semester only, by the first of January) the applicant *is responsible* for the rent for the whole year of the room assigned to her or for a rent of one hundred dollars in case a definite assignment has not been made. The charge for room rent is not subject to remission or deduction unless the college is able to re-rent the room. The applicant is not entitled to dispose of the room thus left vacant.

In case of prolonged illness and absence from the College extending over six weeks or more, there will be a proportionate reduction in charge for board.

Any student who changes her room is required to pay an extra fee of fifteen dollars.

Students are expected to provide their own rugs, curtains and towels, but in every other respect the rooms are completely furnished. Electric reading lamps, table napkins, sheets, etc., are provided by the College. No part whatever need be taken by the students in the care of their own rooms.

There are open fire-places in nearly all the studies and in many single rooms, but the rooms are sufficiently heated by steam. The air in each room is changed every ten minutes, and the temperature is regulated by a thermostat in each room. The students' personal washing may be done by any laundry recommended by the college for one dollar a dozen, or about \$16 a half-year for one dozen pieces a week.

Accommodation is provided for graduate students that wish to remain at the College during the Christmas and Easter vacations at \$15.50 a week. At Christmas the College halls are closed, but accommodation is provided on or near the College campus. At Easter graduate students may occupy their own rooms in the halls of residence at the above rate. Graduate students remaining during the vacations in the neighbourhood of Bryn Mawr are required to take advantage of these arrangements and will be charged at the above rates for the period of the vacation unless they inform the Secretary and Registrar of the College in advance of their intention to spend the vacation elsewhere, and register their addresses in the College office.

The health of the students is under the charge of a Health Committee consisting of the President, the Dean of the College, the Director of Physical Training, the Head Warden, and the physicians of the college.

The Resident Physician of the college is in her office in the college infirmary during the hours from eight to eight-thirty and four to six every day, except Saturday and Sunday, and may be consulted by the students without charge.

All entering resident graduate students are required to have a medical, physical and oculist's examination and to follow the health directions of the physicians of the college which will be given them after the examination; those who are reported by the physicians of the college as suffering from uncorrected eye trouble will be expected to take the necessary measures to correct it.

Every student entering the college will be vaccinated unless she can furnish satisfactory proof that she has been successfully vaccinated not more than two years previously.

All resident graduate students are required to register regular exercise.

The conduct of the students in all matters not purely academic, or affecting the management of the halls of residence, or the student body as a whole, is in the hands of the Students' Association for Self-Government, which was organized in 1892. All persons studying in Bryn Mawr College, whether graduates or undergraduates, are members of this association.

The College reserves the right to exclude at any time and to cancel the fellowships or scholarships held by students whose conduct or academic standing renders them undesirable members of the College community, and in such cases the fees due or which may have been paid in advance to the College will not be refunded or remitted in whole or in part.

In 1893 the Bryn Mawr Graduate Association was organized by the graduate students then in residence, its object being to further the social life of the graduate students. A room in Denbigh Hall is set apart by the College to be used as a club-room. Informal meetings are frequently held in this room, and several times during the year the Association invites the Faculty and friends of the College to larger social gatherings, which are addressed by well-known speakers.

Summary of Expenses of Graduate Students.

Tuition for the semester, payable on registration:

For one hour* a week of lectures.....	\$ 18.00
For two hours a week of lectures.....	\$ 36.00
For three hours a week of lectures.....	\$ 48.00
For four or five hours a week of lectures	\$ 65.00
For six or more hours a week of lectures.....	\$100.00

Room-rent for the academic year, payable on registration.....\$100.00

Board for the semester payable on registration.....\$200.00

Total expenses for the academic year:

Tuition fee, for six or more hours a week of lectures.....	\$200.00
Room-rent.....	\$100.00
Board.....	\$400.00
Infirmity fee.....	\$ 10.00

* Total for tuition, residence, and infirmity care for the academic year... \$710.00

Laboratory fees for the academic year.....\$12 to \$43

* See footnote, page 40. Graduate students are also charged a fee of \$2.50 a year for the support of the athletic grounds.

Students whose fees are not paid before November first in the first semester and before March first in the second semester are not permitted to continue in residence or in attendance on their classes.

THE STUDENTS' LOAN FUND OF BRYN MAWR COLLEGE was founded by the Class of 1890 for the purpose of receiving contributions, however small, from those who are interested in aiding students to obtain an education. The money thus contributed is distributed in the form of partial aid, and as a loan. It is as a rule applied to the assistance of those students only who have attended courses in the College for at least one year. The Fund is managed by a committee consisting of the President of the College and representatives of the Alumnae Association of Bryn Mawr College. The committee reports yearly to the Board of Trustees and to the Alumnae Association. The committee consists of the following members: President Park; Miss Anne Hampton Todd, *ex-officio*, 2115 Spruce Street Philadelphia; Miss Doris Earle, Chestnut Hill, Pa., Chairman; Miss Emma Osborn Thompson, 506 South Forty-eighth Street, Philadelphia; Professor Eunice Morgan Schenck, Bryn Mawr College; Miss Helen Rutgers Sturgis, 500 Cedar Avenue, Richmond Hill, Long Island, N. Y., and Miss Margaret Millicent Carey, 171 Field Point Road, Greenwich, Conn. Contributions may be sent to any member of the committee. Applications for loans should be sent to the Chairman of the committee, and all applications for any given year should be made before May 1st of the preceding academic year.

Libraries.

The fact that the College is situated in the suburbs of Philadelphia enables the student to make use of all the resources of the libraries of Philadelphia, as well as those of the College proper.

The College library has been collected within the past thirty-nine years, and is designed to be, as far as possible, a library for special study. There are at present on its shelves about one hundred thousand bound volumes, and ten thousand dissertations and pamphlets, the collection including the classical library of the late Professor Sauppe, of Göttingen, which was presented to the college in 1894, and the Semitic library of the late Professor Amiaud, of Paris, acquired in 1892. A more detailed description of these two collections may be found on pages 53 and 75.

The sum of about seven thousand dollars is expended yearly for books under the direction of the heads of the several collegiate departments, and, in addition to many gifts of books, about twenty thousand dollars has been presented to the library during the past ten years for expenditure in special departments. Over six hundred publications and reviews in the English, Greek, French, Italian, Spanish, German, and Swedish languages, are received by the library, as follows:

General and Miscellaneous Periodicals.

- Abhandlungen der Königlichen Bayerischen Akademie der Wissenschaften zu München.
- *Amherst Graduates' Quarterly.
- Asia.
- Atlantic Monthly.
- Bookman.
- Bookman (English).
- Bookseller.
- *Bryn Mawr Alumnae Bulletin.
- Bulletin of Bibliography.
- *Bulletin of the New York Public Library.
- *Bulletin of the Pan-American Union.
- Century.
- Contemporary Review.
- Cumulative Book Index.
- Deutsche Rundschau.
- Dial.
- Drama.
- Écrits Nouveaux, Les.
- Edinburgh Review.
- English Review.
- La Esfera.
- Fortnightly Review.
- Forum.
- Göttingische Gelehrte Anzeigen.
- Harper's Monthly Magazine.
- Harvard Graduates' Magazine.
- L'Illustration.
- Independent and Weekly Review.
- Inter-America.
- International index to Periodicals.
- Jahresverzeichniss der an den deutschen Schulanstalten erschienenen Abhandlungen.
- *Japan Society Bulletin.
- *Johns Hopkins University, Circulars.
- Library Journal.
- Literary Digest.
- Living Age.
- London Mercury.
- Mercure de France.
- Mind and Body.
- *Monthly Bulletin of the Carnegie Library of Pittsburgh.
- Nachrichten von der Königlichen Gesellschaft der Wissenschaften, Göttingen.
- Nation, N. Y.
- Nation and Athenaeum.
- Neue Rundschau.
- New Republic.
- New Statesman.
- New York Times Index.
- Nineteenth Century.
- North American Review.
- Nouvelle Revue Française.
- Nuevo Mundo.
- Nuova Antologia.
- Outlook.
- *Pennsylvania Library Notes.
- Philadelphia Symphony Orchestra Programme.
- Preussische Jahrbücher.
- Public Affairs Information Service Bulletin.
- Publishers' Weekly.
- Punch.
- Quarterly Review.
- Reader's Guide to Periodical Literature.
- Review of Reviews
- Revue Critique d'Histoire et de Littérature.
- Revue de Paris
- Revue des Deux Mondes.
- *Revue Internationale de la Croix-rouge
- Revue Politique et Littéraire; Revue Bleue.
- Saturday Review.
- Scientia.
- Scribner's Magazine.
- Sewanee Review.
- Sitzungsberichte der Königlichen Bayerischen Akademie der Wissenschaften.
- Sitzungsberichte der Königlichen Preussischen Akademie der Wissenschaften zu Berlin.
- Spectator.
- Theater Arts Magazine.
- *University of California, Publications.
- *University of Missouri, Studies.
- *University of Nebraska, Studies.
- *University of Texas, Studies.
- *University of Washington, Studies.
- Weekly Review of the Far East.
- World's Work.

Newspapers.

- *College News, Bryn Mawr.
- Daily News Record.
- *Home News, Bryn Mawr.
- London Times.
- New York Evening Post.
- New York Times.
- Philadelphia Public Ledger.
- El Sol.

Art and Archaeology.

- American Journal of Archaeology.
 Archæologische Ephemeris.
 Art and Archæology.
 Art Bulletin.
 Art in America.
 L'Arte.
 Boletín de la Sociedad Española a Excursiones.
 British School at Athens, Annual.
 Bulletin of the Metropolitan Museum of Art, New York.
 *Bulletin of the Rhode Island School of Design.
 Bulletino della Commissione archæologica comunale de Roma.
 Burlington Magazine.
 Denkmäler der Malerei des Altertums.
 Emporium.
 Gazette des Beaux Arts.
 International Studio.
 Jahrbuch der königlich preussischen kunstsammlungen.
 Jahrbuch des Deutschen Archæologischen Instituts.
 Jahreshefte des Österreichischen Archæologischen Instituts in Wien.
 Journal of Egyptian Archæology.
 Journal of Hellenic Studies.
 Journal international d'archéologie numismatique.
 Mittheilungen und Nachrichten des Deutschen Palästina Vereins.
 Mittheilungen des Deutschen Archæologischen Instituts, Athenische Abteilung.
 Mittheilungen des Deutschen Archæologischen Instituts, Römische Abteilung.
 Museum Journal.
 *Museum of Fine Arts Bulletin, Boston.
 Notizie degli Scavi di Antichità.
 Rassagne d'arte.
 Revue archéologique.
 Revue de l'art.
 Rivista d'arte.
 Syria.
 Zeitschrift des Deutschen Palästina Vereins.
 Zeitschrift für bildende kunst.

Economics and Politics.

- *Advocate of Peace.
 All Opinions of the U. S. Supreme Court.
 *American Association for International Conciliation, Publications.
 American City.
 American Economic Review.
 *American Economist.
 American Federationist.
 American Journal of International Law.
 American Municipalities.
 American Political Science Review.
 *The Americas.
 Annalist.
 Annals of the American Academy of Political and Social Science.
 Citizens Business.
 City Record, Boston.
 Columbia Law Review.
 Columbia Studies in History, Economics and Public Law.
 Commerce Monthly.
 Commerce Reports.
 *Congressional Record.
 Consolidated list of Parliamentary Publications.
 Economic Journal.
 Foreign Affairs.
 Good Government.
 Great Britain, Quarterly List of Official Publications.
 Handbuch der öffentlichen Rechte.
 Harvard Law Review.
 Jahrbücher für Nationalökonomie und Statistik
 Johns Hopkins University Studies in Historical and Political Science.
 Journal of Political Economy.
 Journal of the Royal Statistical Society.
 League of Nations Official Journal.
 Modern City.
 Municipal Journal, Baltimore.
 Municipal Review of Canada.
 National Municipal Review.
 National Tax Association Bulletin.
 Political Science Quarterly.
 Proceedings of the Academy of Political Science.
 Proportional Representation Review.
 Publications of the American Economic Association.
 Quarterly Journal of Economics.
 Revue bibliographique.
 Revue général de Droit international public.
 Searchlight on Congress.
 Short Ballot Bulletin.
 *Single Tax Review.
 Sozialwissenschaftliches Literaturblatt.
 Yale Review.
 Zeitschrift für Volkswirtschaft, Socialpolitik u. Verwaltung.

Social Economy and Social Research.

- *Advance.
- American Child.
- American Child Hygiene Association, Transactions.
- American Flint.
- American Industries.
- American Journal of Public Health.
- American Journal of Sociology.
- American Labor Legislation Review.
- *American Pressman.
- American Review of Tuberculosis.
- *Bakers' Journal.
- Better Times.
- *Bridgeman's Magazine.
- *Broom-maker.
- Bulletin of the Bureau of Vocational Information.
- Bulletin of the International Labour Office.
- Bulletin of the National Tuberculosis Association.
- Bulletin of the National Society for Vocational Education.
- *Bulletin of the New York State Department of Labor.
- Bulletin of the Taylor Society.
- *Carpenter.
- Charity Organization Review.
- *Commercial Telegraphers' Journal.
- Community Center.
- Corporation Training.
- Economic World.
- Efficiency Magazine.
- *Electrical Worker.
- *Elevator Constructor.
- Eugenics Review.
- Factory.
- Filing and Office Management.
- *Garment Worker.
- *Granite Cutters' Journal.
- Housing Betterment.
- Industrial Arts Index.
- Industrial Bulletin.
- Industrial Information Service.
- Industrial Management.
- Industrial News Survey.
- *Institution Quarterly.
- *International Bookbinder.
- *International Musician.
- *International Steam Engineer.
- Iron Age.
- Journal of American Statistical Association.
- Journal of Applied Sociology.
- Journal of Criminal Law.
- Journal of Delinquency.
- Journal of Heredity.
- Journal of Industrial Hygiene.
- Journal of Personnel Research.
- Journal of Social Forces.
- Journal of Social Hygiene.
- *Journal of the Cigar Makers' International Union.
- Journal of the Outdoor Life.
- *Journeyman Barber.
- Labor Age.
- Labor Bulletin of the Massachusetts Bureau of Statistics.
- Labor Gazette.
- *(The) Lather.
- *Law and Labor.
- *Leatherworkers' Journal.
- Life and Labor.
- *Machinists' Journal.
- Management.
- *Metal Polishers' Journal.
- Metron.
- *Motorman and Conductor.
- *Mixer and Server.
- Nation's Business.
- Nation's Health.
- National Conference of Social Work Bulletin.
- *Ohio State Institution Journal.
- *Painter and Decorator.
- *Papermakers' Journal.
- *Patternmakers' Journal.
- *Paving Cutters' Journal.
- *Plasterer.
- Playground.
- *Plumbers' Journal.
- Proceedings of the National Conference of Social Work.
- *Progressive Labor World.
- *Public Health, Michigan.
- *Quarry Workers' Journal.
- *Railway Carmen's Journal.
- *Railway Clerk.
- *Retail Clerks' International Advocate.
- Seaman's Journal.
- *Shoeworkers' Journal.
- Social Hygiene Bulletin.
- Social Service Review.
- *Stereotypers' and Electrotypers' Journal.
- Survey.
- System.
- *Tailor.
- *Teamsters', Chauffeurs', Stablemen and Helpers' Magazine.
- *Textile Worker.
- *Tobacco Workers' Journal.

*Trade Union News.
 *Typographical Journal.
 *United Association of Journeymen Plumb-
 ers' Journal.
 *U. S. Bureau of Immigration, Publications.
 *U. S. Bureau of Labor Statistics, Bulletin.
 *U. S. Bureau of the Census, Publications.

*U. S. Children's Bureau, Publications.
 *University of Illinois, Studies in Social
 Sciences.
 *University of Minnesota, Studies in Social
 Sciences.
 *Woodcarver.

Education.

Education.
 Educational Review.
 Educational Times.
 Elementary School Journal.
 Industrial Education Magazine.
 Journal of Educational Psychology.
 Journal of Educational Research.
 Journal of Experimental Pedagogy.
 *Journal of the American Association of
 University Women.
 Lehrproben und Lehrgänge.
 National Education Association, Publica-
 tions.
 National Society for the Study of Educa-
 tion Yearbook.
 Normal Instructor.
 Pädagogische Studien.

Pedagogical Seminary.
 Revue International de l'Enseignement
 Supérieur.
 Revue Universitaire.
 School and Society.
 School Journal.
 School Review.
 School Science and Mathematics.
 Supplementary Education Monographs.
 Teachers' College Contributions to Educa-
 tion.
 Teachers' College Record.
 *U. S. Bureau of Education, Bulletin.
 *University of California Publications,
 Education.
 Zeitschrift für pädagogische Psychologie.

History.

American Historical Association, Reports.
 American Historical Review.
 Current History.
 English Historical Review.
 Historical Manuscripts Commission, Re-
 ports.
 Historische Vierteljahrschrift.
 Historische Zeitschrift.
 History.
 *Illinois State Historical Society Journal.

Jahresberichte der Geschichtswissenschaft.
 Klio, Beiträge zur alten Geschichte.
 Révolution française.
 Revue des Études Napoléoniennes.
 †Revue des Questions historiques.
 Revue historique.
 Round Table.
 Royal Historical Society, Transactions.
 Selden Society, Publications.

Philology and Literature, Classical.

†Bulletin bibliographique et pédagogique
 du Musée Belge.
 Classical Journal.
 Classical Philology.
 Classical Quarterly.
 Classical Review.
 Classical Weekly.
 Commentationes philologiae jenenses.
 Dissertationes philologicae halenses.
 Glotta.
 Harvard Studies in Classical Philology.
 Hermes.
 Jahresbericht über die Fortschritte der
 klassischen Altertumswissenschaft.
 Journal of Roman Studies.

†Le Musée Belge, Revue de Philologie
 classique.
 Mnemosyne.
 Philologische Untersuchungen.
 Philologus.
 Quellen und Forschungen zur lateinischen
 Philologie.
 Revue de Philologie.
 Revue des Études grecques.
 Rheinisches Museum für Philologie.
 Rivista di Filologia.
 Sokrates.
 Studi Italiani di Filologia classica.
 †Studi Storici per l'Antichità classica.
 Wiener Studien, Zeitschrift für klassische
 Philologie.

* Presented by the Publishers.

† Suspended publication.

Philology and Literature, General and Comparative.

American Journal of Philology.
 Erano.
 Indogermanische Forschungen.
 Journal of English and Germanic Philology.
 Journal of Philology.
 Neue Jahrbücher für das klassische Altertum, Geschichte und deutsche Literatur.
 Philologica.

Philological Quarterly.
 Philological Society, London, Publications.
 Philologische Wochenschrift.
 Transactions of the American Philological Association.
 Zeitschrift für die österreichischen Gymnasien.
 Zeitschrift für vergleichende Sprachforschung.

Philology and Literature, Modern.

Anglia.
 Anglistische Forschungen.
 †Annales Romantiques.
 Archiv für das Studium der neueren Sprachen.
 Archivio Glottologico Italiano.
 Arkiv for Nordisk Filologi.
 Beiblatt zur Anglia.
 Beiträge zur Geschichte der deutschen Sprache und Literatur.
 Bibliographical Society of America, Publications.
 Bibliographical Society of London, Transactions.
 Bonner Studien zur englischen Philologie.
 British Society of Franciscan Studies.
 Bulletin hispanique.
 Bullettino della Società Dantesca Italiana.
 Chaucer Society Publications (both series).
 Deutsche Literaturzeitung.
 Deutsche Texte des Mittelalters.
 Dialect Notes.
 Early English Text Society, Publications (both series).
 English Leaflet.
 English Journal.
 Englische Studien.
 Euphoriön.
 Forschungen zur neueren Literaturgeschichte.
 Germanisch-romanische Monatsschrift.
 Giornale Dantesco.
 Giornale Storico della Letteratura italiana.
 Goethe Jahrbuch.
 Henry Bradshaw Society, Publications.
 Hispania.
 Jahrbuch der Deutschen Shakespeare Gesellschaft.
 Jahrbuch des Vereins für niederdeutsche Sprachforschung.
 Jahresbericht über die Erscheinungen auf dem Gebiete der germanischen Philologie.

Kieler Studien zur englischen Philologie.
 Korrespondenzblatt des Vereins für niederdeutsche Sprachforschung.
 †Kritischer Jahresbericht über die Fortschritte der romanischen Philologie.
 Literarische Echo.
 Literarisches Centralblatt.
 Literaturblatt für germanische und romanische Philologie.
 Malone Society, Publications.
 Materialien zur Kunde des älteren englischen Dramas.
 Modern Language Journal.
 Modern Language Notes.
 Modern Language Review.
 Modern Languages.
 Modern Philology.
 Münchener Beiträge zur romanischen und englischen Philologie.
 Notes and Queries.
 Palaestra.
 Poet-lors.
 Praeger deutsche Studien.
 Publications of the Modern Language Association.
 Quellen und Forschungen zur Sprach- und Kulturgeschichte der germanischen Völker.
 Rassegna Bibliografica.
 Revista de Filología Española.
 Revue Celtique.
 Revue d'Histoire Littéraire de la France.
 Revue Germanique.
 Revue de Littérature Comparée.
 Revue Hebdomadaire.
 Revue Hispanique.
 Romania.
 Romanic Review.
 Romanische Forschungen.
 Scottish Text Society, Publications.
 Société des Anciens Textes Français, Publications.

† Suspended publication.

Société des Textes Français Modernes,
Publications.
Studien zur englischen Philologie.
Studies in Philology.
Wiener Beiträge zur englischen Philologie.
Yale Studies in English.
Zeitschrift des allgemeinen Deutschen
Sprachvereins.

Zeitschrift für den deutschen Unterricht.
Zeitschrift für deutsche Philologie.
Zeitschrift für deutsches Altertum und
deutsche Litteratur.
Zeitschrift für deutsche Wortforschung.
Zeitschrift für französische Sprache und
Litteratur.
Zeitschrift für romanische Philologie.

Philology and Literature, Semitic.

American Journal of Semitic Languages
and Literatures.
Jewish Quarterly Review.
Journal of the Royal Asiatic Society.
Journal of the Society of Oriental Research.

†Recueil de Travaux relatifs à la Philologie
et à l'Archéologie égyptiennes et
assyriennes.
Zeitschrift für ägyptische Sprache und
Altertumskunde.
Zeitschrift für Assyriologie.

Philosophy and Psychology.

American Journal of Ophthalmology.
American Journal of Physiological Optics.
American Journal of Psychology.
Année psychologique.
Archiv für die gesamte Psychologie.
Archiv für Geschichte der Philosophie.
Archiv für systematische Philosophie.
Archives de Psychologie.
Archives of Psychology.
Behavior Monographs.
British Journal of Psychology.
British Journal of Psychology: Mono-
graph Supplements.
Bulletin de l'Institut Psychologique.
Fortschritte der Psychologie.
Hibbert Journal.
International Journal of Ethics.
Journal de Psychologie.
Journal für Psychologie und Neurologie.
Journal of Abnormal and Social Psychol-
ogy.
Journal of Applied Psychology.
Journal of Comparative Psychology.
Journal of Experimental Psychology.
Journal of Philosophy.
Mind.

Monist.
Philosophical Review.
Proceedings of the Aristotelian Society.
Proceedings of the Society for Psychical
Research.
Psychological Bulletin.
Psychological Clinic.
Psychological Review.
Psychological Review; Monograph Sup-
plements.
Psychological Review; Psychological In-
dex.
Psychologische Studien.
Revue de Métaphysique.
Revue philosophique.
Training School Bulletin, Vineland.
*University of Toronto Studies, Psychology
Series.
Vierteljahrsschrift für wissenschaftliche
Philosophie u. Soziologie.
Zeitschrift für angewandte Psychologie.
Zeitschrift für Psychologie und Physio-
logie der Sinnesorgane: 1. Abt., Zeit-
schrift für Psychologie. 2. Abt., Zeit-
schrift für Sinnesphysiologie.

Religion.

American Friend.
Anglican Theological Review.
†*Christian Register.
Expositor.
Expository Times.
Harvard Theological Review.
Journal of Biblical Literature.
Journal of Religion.

Journal of Theological Studies.
*Publications of the American Jewish
Historical Society.
Religious Education.
Revue biblique.
*Spirit of Missions.
*Woman's Missionary Friend.

* Presented by the Publishers.

† Suspended publication.

Science, General.

American Journal of Science.
 Atti della Reale Accademia delle Scienze
 di Torino.
 British Association for the Advancement
 of Science, Reports.
 *Bulletin of the University of Wisconsin,
 Science Series.
 Comptes Rendus des Séances de l'Académie
 des Sciences.
 International Catalogue of Scientific Literature.
 *Kansas University, Science Bulletin.
 Nature.
 *New York State Museum Bulletin,
 Philosophical Magazine.

Philosophical Transactions of the Royal
 Society of London.
 Proceedings of the American Philosophical
 Society.
 Proceedings of the National Academy of
 Sciences.
 Royal Society of London Proceedings
 series A and B.
 Science.
 Scientific American.
 Scientific Monthly.
 *U. S. National Museum, Publications.
 *University of Missouri Studies, Science
 Series.

Science, Biology.

American Anthropological Association,
 Memoirs.
 American Anthropologist.
 American Journal of Anatomy.
 American Journal of Physiology.
 American Naturalist.
 Anatomischer Anzeiger.
 Archiv für Anatomie und Physiologie.
 Archiv für die gesammte Physiologie.
 Archiv für Entwicklungsmechanik der
 Organismen.
 Archiv für mikroskopische Anatomie.
 Bibliographia physiologica.
 Biochemical Journal.
 Biologisches Centralblatt.
 Biometrika.
 Botanisches Centralblatt.
 Centralblatt für Physiologie.
 Endocrinology.
 Eugenics Laboratory Memoirs.
 Genetics.
 *Illinois Biological Monographs.
 Jahrbücher für wissenschaftliche Botanik.
 Journal de Physiologie.
 Journal of Biological Chemistry.
 Journal of Experimental Medicine.
 Journal of Experimental Zoology.

Journal of General Physiology.
 Journal of Genetics.
 Journal of Morphology.
 Journal of Physiology.
 Journal of the Royal Microscopical
 Society.
 *Midland Naturalist.
 Physiological Abstracts.
 Physiological Review.
 Quarterly Journal of Microscopical
 Science.
 Stazione Zoologica di Napoli, Pubblicazioni.
 *U. S. Public Health Service, Publications.
 *University of California Publications,
 Physiology.
 *University of California Publications,
 Zoology.
 *University of Pennsylvania, Contributions
 from the Zoological Laboratories.
 *University of Toronto Studies, Biological
 Series.
 *University of Toronto Studies, Physiological
 Series.
 *Wilson Bulletin.
 Zeitschrift für wissenschaftliche Zoologie.
 Zoologischer Anzeiger.

Science, Geology, and Geography.

Centralblatt für Mineralogie.
 Economic Geology.
 Geographical Journal.
 Geological Magazine.
 Geologisches Centralblatt.
 *Georgia Geological Survey Bulletin.
 *Illinois Geological Survey Bulletin.

Journal of Geography.
 Journal of Geology.
 Meteorologische Zeitschrift.
 Mineralogical Magazine.
 Mineralogische und petrographische Mittheilungen.
 National Geographic Magazine.

Neues Jahrbuch für Mineralogie, Geologie
und Paläontologie.
Pan-American Geologist.
Philadelphia Geographical Society Bulletin.
Quarterly Journal of the Geological
Society.

Revue de Géologie.
*U. S. Monthly Weather Review.
*University of Toronto Studies, Geological
Series.

Mathematics, Chemistry, and Physics.

Acta Mathematica.
American Journal of Mathematics.
Annalen der Chemie.
Annalen der Physik.
Annales de Chimie.
Annales de Physique.
Annales scientifiques de l'Ecole Normale
Supérieure.
Annali di Matematica.
Annals of Mathematics.
Astrophysical Journal.
Berichte der deutschen chemischen Gesell-
schaft.
†Bibliotheca Mathematica.
Bolletino di Bibliografia e Storia delle
Scienze Matematiche.
Bulletin de la Société Chimique de France.
Bulletin de la Société Mathématique.
Bulletin des Sciences mathématiques.
Bulletin of the American Mathematical
Society.
Cambridge Tracts in Mathematics.
Chemisches Zentralblatt.
Giornale di Matematiche.
Helvetica Chimica Acta.
Jahrbuch der Chemie.
Jahrbuch über die Fortschritte der
Mathematik.
Jahresbericht der deutschen Mathematiker
Vereinigung.
Journal de Chimie physique.

Journal de Mathématiques.
Journal de Physique.
Journal für die reine und angewandte
Mathematik.
Journal für praktische Chemie.
Journal of the American Chemical
Society.
Journal of the London Chemical Society.
Journal of Physical Chemistry.
Kolloidzeitschrift.
Mathematische Annalen.
Mathematische Zeitschrift.
Messenger of Mathematics.
Monatshefte für Chemie.
Physical Review.
Physikalische Zeitschrift.
Proceedings of the London Mathematical
Society
Quarterly Journal of Mathematics.
Rendiconti del Circolo Matematico di
Palermo.
Science Abstracts.
Transactions of the American Mathe-
matical Society.
U. S. Bureau of Standards Bulletin.
Zeitschrift für anorganische Chemie.
Zeitschrift für Elektrochemie.
Zeitschrift für Mathematik und Physik.
Zeitschrift für physikalische Chemie.

The library is open daily from eight A. M. to ten P. M. Books may be taken out by the students unless specially reserved for library reference use.

There are in Philadelphia the following important libraries which are available for students:

The *Library Company of Philadelphia*, which contains about 275,000 volumes, divided between the Locust Street Building and the Ridgway Branch. Its valuable collection of pamphlets is included in the number of volumes as given above. The Library is open from nine A. M. to five-thirty P. M., and is open to students for consultation freely during these hours. To

* Presented by the Publishers.

†Suspended publication.

take books from the building a deposit must be made or subscriptions will be received as follows: Twelve dollars for one year, six dollars for six months, four dollars for three months.

The *Mercantile Library*, which contains about 215,000 volumes. Private subscription, \$6.00 a year for two separate works at a time.

The *Library of the Academy of Natural Sciences*, which contains about 85,000 volumes. The Council of the Academy has generously conceded the use of its library and of its museum to the students of Bryn Mawr College.

The *Library of the University of Pennsylvania*, which contains about 550,000 volumes and 50,000 pamphlets. The custodians of this library have always shown great courtesy in placing rare volumes at the disposal of the College.

The *Free Library of Philadelphia*, which contains over 600,000 volumes and 370,000 pamphlets, and is at all times open to the students for consultation.

The *American Philosophical Society Library*, which contains about 70,000 volumes, admission by card.

The *Historical Society of Pennsylvania Library*, which contains over 150,000 bound volumes, and 250,000 pamphlets, is for reference only. The collection of manuscripts is one of the best in the country comprising 7,000 volumes. Every courtesy is extended to members of the college.

Sanskrit and Comparative Philology.

The instruction in this department is under the direction of a non-resident lecturer in Comparative Philology and Sanskrit.

GRADUATE COURSES.

The following graduate courses are offered in each year:

Lectures on Comparative Philology and Philological Seminary.

Two hours a week throughout the year.

Students entering this course are expected to be familiar with German and French. A short preliminary course in Sanskrit is also of great aid to the student. The lectures on comparative philology treat of the connection of the Greek and Latin languages with the related languages of the Indo-European group, first, phonetically, secondly, from the point of view of grammatical forms, and lastly, from the point of view of syntax. In the first part of the course which covers what during the last few years has been the field of the most active research the student is introduced to the latest theories and discoveries in Aryan phonetics, and is expected to read and criticize the articles appearing from time to

time in the philological journals, and to prepare reports on these articles. The same method is pursued during the investigation of the history of forms; and in the third part of the course the student begins the study of comparative syntax by a close comparison of the use of cases and verbal forms in Sanskrit, Greek, and Latin.

Elementary Sanskrit.

Two hours a week throughout the year.

Whitney's *Grammar* is used, and the classical selections from Lanman's *Reader* are read. Lectures are given on the phonology and morphology of Sanskrit.

The courses in Comparative Philology and in Elementary Sanskrit will not, as a rule, be given in the same year.

Second Year Sanskrit.

One or two hours a week throughout the year.

The Vedic selections in Lanman's *Reader* are read, with some additional hymns from the *Rigveda*. Selections from the classical literature are read at sight. Exercises in etymology are given to supplement the lectures on the phonology.

Advanced Sanskrit.

Two hours a week throughout the year.

Selected texts are read: the *Bhagavad-Gītā*; Kālidāsa's *Çakuntalā*, Acts I and II, with a careful study of the Prākṛit; selected hymns of the *Atharvaveda*. During the second semester the course is conducted as a seminary, with use of the native commentaries.

Greek.

The instruction in this department is under the direction of Dr. Henry Nevill Sanders, Professor of Greek; Dr. Wilmer Cave Wright, Professor of Greek; and Miss Abby Kirk, Reader in Elementary Greek.

Exceptional facilities for the study of all departments of classical philology are offered by the large classical library owned by the College. The greater part of this library is formed by the well-known collection of the late Professor Hermann Sauppe of Göttingen, which was acquired in 1894. This has been supplemented by purchases made by the college library, so that the classical library now numbers some seven thousand volumes, including complete sets of most of the important journals, and about seven thousand dissertations and monographs.

GRADUATE COURSES.

The graduate seminaries in Greek are varied from year to year in two series, Attic Tragedy, Orators, and Historians, and the Homeric Question, Greek Sophists of the Fourth Century, Plato and Aristophanes, in order that they may be pursued by a student for consecutive years. Students electing Greek as a Major subject for the degree of Doctor of Philosophy must offer not less than two seminaries and the journal club for two years and if Greek be also elected as the associated minor the candidate must offer two seminaries and one journal club for three years. A list of approved associated minors and independent minors is given in the Regulations of the Academic Council. The post-major courses also

are open to graduate students. A large part of the work expected of graduate students consists of courses of reading pursued under the direction of the department, and reports of this reading are from time to time required of the students. A reading knowledge of French and German is required. The course in Comparative Philology is recommended to graduate students of Greek. For graduate courses in Classical Archaeology, which may be offered as an associated or independent minor by students taking Greek as a major for the degree of Doctor of Philosophy, see pages 105 to 106.

No undergraduates are admitted to graduate courses.

Dr. Sanders conducts in each year the following graduate seminary:

Greek Seminary.

Three hours a week throughout the year.

In 1922-23 Greek Orators are studied in the seminary. The work consists of the reading of large portions of all the orators and the critical interpretation of a selected part of each. Lectures are given on legal antiquities, the syntax, and the style of the various authors, in conjunction with which Dionysius of Halicarnassus and the Greek rhetoricians are studied. The later rhetoricians are treated and their criticism of antiquity investigated. Students are expected to provide themselves with the Teubner text editions of Antiphon, Andocides, Lysias, Isocrates, Isæus, Æschines, Hyperides, and Demosthenes. The classical library is well equipped with works on the orators.

In 1923-24 Greek historians will be the main subject of the seminary. Thucydides is studied in detail and reports are made on data of history contained in Greek literature in general. Lectures are given by the instructor on subjects connected with Greek historiography, such as the composition of Thucydides's history, the syntax and style of Thucydides, the history of early prose, Greek historical inscriptions.

In 1924-25 Attic Tragedy will be the subject of the seminary. The work of the seminary in textual criticism will be devoted to Sophocles. Members of the seminary report on assigned subjects and give critical summaries of current classical literature.

Dr. Wright conducts in each year the following graduate seminary:

Greek Seminary.

Two hours a week throughout the year.

In 1922-23 Aristophanes is the subject of the seminary. The aim of the seminary is to make the students familiar with the more important Aristophanic literature up to the present day. Portions of the text are interpreted by the class and reports on assigned topics, literary, historical, and archaeological, connected with the plays are expected from all the members. All the comedies of Aristophanes are read in the course of the year; lectures are given by the instructor on the metres and syntax of Aristophanes, on the dramatic structure of the plays and on the history of Attic comedy. Part of the work consists of analyses of dissertations on Aristophanes which are presented by members of the class. Every member of the class should provide herself in advance with a complete text of Aristophanes. The Clarendon Press (Oxford) edition is recommended.

In 1923-24 Plato will be the subject of the seminary. The work is mainly literary and critical. Lectures on the style, philosophy, and chronology of the dialogues are given by the instructor; a detailed interpretation of a portion of Plato, and reports on topics set for discussion are given by the class. The students are expected to read the *Republic*, *Theætetus*, *Parmenides*, and *Sophist* and discuss certain problems arising from these dialogues. The aim of the course is to lay a foundation for independent work by familiarizing the students with the achievements of scholarship and the general field of Platonic literature up to the present day. Every member of the seminary should provide herself in advance with a complete text of Plato. The Clarendon Press (Oxford) edition is recommended.

In 1924-25 the Homeric Question will be the subject of the seminary in the first semester; the work consists of a review of the discussions of the Homeric poems since the publication of Wolf's *Prolegomena*. The various tests that have been applied to the poems by archæologists, linguists, historians of myths, and æsthetic critics are taken up and criticized in detail.

Greek Sophists of the Fourth Century A. D., will be the subject of the seminary in the second semester. The works of the Emperor Julian, Libanius and others will be read and discussed. Lectures and reports will be given on the literary movements of the second, third and fourth centuries, A. D.

Dr. Sanders and Dr. Wright together conduct the Greek journal club:

Greek Journal Club. *One and a half hours once a fortnight throughout the year.*

The advanced students and the instructors meet to report on and discuss recent articles and books on subjects connected with the Greek classics.

POST-MAJOR COURSES.

Dr. Sanders offers in 1922-23 the following post-major courses, open to graduate students:

Minor Orations of the Attic Orators. *Two hours a week during the first semester.*

Sophocles, *Oedipus Coloneus*. *One hour a week during the first semester.*

Æschylus, *Agamemnon*. *Two hours a week during the second semester.*

Greek Prose Composition and the Evolution of Style.
One hour a week during the second semester.

Dr. Sanders offers in 1923-24 the following post-major courses, open to graduate students:

Æschylus, *Eumenides*. *Two hours a week during the first semester.*

Sophocles, *Trachiniæ*. *One hour a week during the first semester.*

Greek Rhetoricians and Greek Prose Composition.
One hour a week during the second semester.

Bacchylides. *One hour a week during the second semester.*

Euripides, *Bacchæ*. *One hour a week during the second semester.*

Dr. Sanders offers in 1924-25 the following post-major courses, open to graduate students:

Æschylus, *Oresteia*. *Two hours a week during the first semester.*

Fourth Century Critics. *One hour a week during the first semester.*

Pindar. *Two hours a week during the second semester.*

Sophocles, *Electra* or Euripides, *Electra*.
One hour a week during the second semester.

Dr. Wright offers in 1922-23 the following post-major courses, open to graduate students:

Melic Poets.	<i>Two hours a week during the first semester.</i>
Plato, <i>Republic</i> .	<i>Two hours a week during the second semester.</i>

Dr. Wright offers in 1923-24 the following post-major courses, open to graduate students:

Theocritus.	<i>Two hours a week during the first semester.</i>
Æschylus, <i>Septem</i> , or Lucian.	<i>Two hours a week during the second semester.</i>

Dr. Wright offers in 1924-25 the following post-major courses, open to graduate students:

Palatine Anthology.	<i>Two hours a week during the first semester.</i>
Sophocles, <i>Ajax</i> .	<i>Two hours a week during the second semester.</i>

FREE ELECTIVE COURSES.

Dr. Wright offers in each year the following free elective courses:

History of Greek Literature.	<i>Two hours a week throughout the year.</i>
Greek Religion and Greek Myths.	<i>Two hours a week throughout the year.</i>

This course is supplementary to Greek and English literature and to Oriental and Classical Archæology and treats of the development of Greek religion, the attributes of the Olympian Gods, such as Zeus and Apollo, their ritual, and the influence on literature of Greek myths.

Latin.

The instruction in this department is under the direction of Dr. Arthur Leslie Wheeler, Professor of Latin, Dr. Mary Hamilton Swindler, Associate in Latin and Archæology, and Dr. Susan Helen Ballou, Associate in Latin.

GRADUATE COURSES.

The graduate work in Latin is conducted according to the seminary method, and is intended not only to broaden the student's knowledge, but also to teach methods of work. The graduate courses in Latin are varied from year to year in three series, Roman Lyric Poetry, Elegy, and Comedy, and Roman Religion, Latin Epigraphy and Palæography, and Roman Epic Poetry. Students electing Latin as a major subject for the degree of Doctor of Philosophy must offer not less than two seminars and the journal club for two years and if Latin be also elected as the associated minor the candidate must offer two seminars and the journal club for three years. A list of approved associated and independent minors is

given in the Regulations of the Academic Council. It is desirable that all students who intend to do advanced work in Latin should have a good knowledge of Greek. A reading knowledge of French and German is necessary.

No undergraduates are admitted to graduate courses.

Dr. Wheeler conducts in each year the following graduate seminary:

Latin Seminary.

Three hours a week throughout the year.

In 1922-23 Roman Lyric in the Period of the Republic is the subject of the seminary. After a rapid survey of the fragmentary lyric remains of the predecessors and contemporaries of Catullus, the poems of Catullus himself are studied in detail. Students should have *Catulli carmina* (Oxford text, 1904), edited by Robinson Ellis, and either the same scholar's *Commentary on Catullus*, Oxford, Clarendon Press, 1889 (second edition), or G. Friedrich's *Catulli Veronensis liber*, Leipsic and Berlin, 1908 (Teubner).

In 1923-24 Roman Elegy as represented by Tibullus, Propertius, and Ovid will be the subject of the seminary. In addition to a careful study of selected poems an effort is made to trace the history of elegy among the Romans. The various topics connected with the subject are treated in detail as far as time permits, and the students are encouraged to familiarize themselves with the best literature in editions, periodicals, and dissertations. The texts recommended are the Oxford Clarendon Press editions of Catullus and Tibullus, edited by Ellis and Postgate, and the Leipsic (Teubner) text of Propertius, edited by C. Hosius, 1911. The best commentaries are Kirby Smith's *The Elegies of Tibullus*, New York, 1913 (American Book Co.), and M. Rothstein's *Die Elegien des Sextus Propertius*, Berlin, 1898 (Weidmann). For Catullus see Roman Lyric.

In 1924-25 Latin Comedy will be the subject of the seminary. All the plays of Plautus and Terence are read by the students; single plays form the basis of special work on the language, text, metres, etc. Students should provide themselves with the text edition of Plautus, edited by Goetz and Schoell, Leipsic, Teubner, 1892-1904, or that of W. M. Lindsay, Oxford, 1903-04, and with Dziatzko's text of Terence, Leipsic, Tauchnitz, 1884. The plays of Plautus, annotated by Brix, Leipsic, Teubner, 1901-12, and by Lorenz, Berlin, Weidmann, 1876-86, and the plays of Terence, annotated by Dziatzko (revised by Hauler), 1898 and 1913 (Teubner), and by Spengel, 1879 and 1905 (Weidmann), are also recommended. *P. Terenti Afri Commoediae*, edited by S. G. Ashmore, Oxford University Press, New York, 1908, is a convenient commentary.

Dr. Ballou conducts in each year the following graduate seminary:

Latin Seminary.

Two hours a week throughout the year.

In 1922-23 Cicero's correspondence is the subject of the seminary. An effort is made to master typical textual and linguistic problems presented by this text, and special attention is paid to Roman administration and political conditions during the last years of the Republic.

In 1923-24 the subject of the seminary will be Roman Historiography. The development of the writing of history at Rome will be studied chronologically from the early annalists and Cato to Ammianus Marcellinus in the fourth century. Selections from representative historians will be read and reports made on their methods and style.

In 1924-25 Latin Epigraphy and Palæography will be the work of the seminary. Students will learn to use the Corpus Inscriptionum and to make investigations and reports upon various subjects concerned with Roman public and private life. For the latter part of the course, the facsimiles in the collections of Chatelain, Zangemeister and Wattenbach, and Arndt are used for acquiring facility in reading the more important Roman and mediæval literary hands; and photographic reproductions of works of classical authors form the basis for practical exercises in collation and in the application of palæographic principles to text criticism.

Dr. Wheeler, Dr. Swindler and Dr. Ballou together conduct the Latin journal club.

Latin Journal Club.

One and a half hours once a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent articles, and books on subjects connected with the Latin classics.

POST-MAJOR COURSES.

Dr. Wheeler offers in 1922-23 and again in 1924-25 the following post-major course, open to graduate students:

Roman Elegy.

Two hours a week throughout the year.

An effort is made to trace historically the development of this branch of poetry among the Romans. Selections from Catullus, Tibullus, Propertius, and Ovid are read. The readings are supplemented by occasional lectures. Special attention is devoted to the structure and reading of the elegiac distich and to the characteristics of Roman poetic diction. Each student is required to prepare papers and reports on assigned topics in each semester.

Dr. Wheeler offers in 1923-24 and again in 1925-26 the following post-major course, open to graduate students:

Roman Satire.

Two hours a week throughout the year.

The subject is treated historically in order to give an outline of the origin and development of Satire. The class reads selections from Horace, Persius, Seneca, Petronius, and Juvenal, together with some of the fragments of Ennius, Lucilius, and Varro. The readings are supplemented by occasional lectures. Each student is required to prepare papers and reports on assigned topics in each semester.

Dr. Ballou offers in 1922-23 and again in 1924-25 the following post-major courses, open to graduate students:

The Life and Works of Vergil.

Three hours a week during the first semester.

The *Bucolics*, portions of the *Georgics* and some of the minor poems are read and discussed.

Latin Prose Composition.

Two hours a week throughout the year.

Roman Prose of the Empire.

Three hours a week during the second semester.

Selections from Velleius, Petronius, Pliny, Tacitus, Suetonius, Apuleius, and Minucius Felix are read.

Dr. Ballou offers in 1923-24 and again in 1925-26 the following post-major courses, open to graduate students:

Lucretius and Catullus.

Three hours a week during the first semester.

Selections from the *De Rerum Natura* and from the longer poems of Catullus are read.

Latin Prose Composition.

Two hours a week throughout the year.

The Latin Essay.

Three hours a week during the second semester.

Selections from Horace's literary epistles will be followed by the minor works of Tacitus.

MODERN LANGUAGES.

Professors and instructors: Dr. Fonger DeHaan, Miss Lucy Martin Donnelly,* Dr. Carleton Brown, Dr. Regina Katharine Crandall, Dr. Eunice Morgan Schenck, Dr. Samuel Claggett Chew, Dr. Howard James Savage,† Mr. Samuel Arthur King, Miss Marcelle Parde,‡ Dr. Eduard Prokosch, Mr. Claude Gilli, Dr. Walter Llewellyn Bullock, Dr. Helen Sard Hughes, Miss Marthe Jeanne Trotain, Mrs. Helene Buhlert Bullock, Miss Marguerite Capen Hearsey, Miss Frances Higginson Fuller, Miss Helen Belle Smith, Miss Anna Schafheitlin, and Miss Jane Perry Clark.

English.

The instruction in this department is under the direction of Miss Lucy Martin Donnelly,* Professor of English, Dr. Carleton Brown, Professor of English Philology, Dr. Regina Katharine Crandall, Professor of English Composition, Dr. Samuel Claggett Chew, Professor of English Literature, Dr. Howard James Savage,† Associate Professor of English and Director of the Work in English Composition, Mr. Samuel Arthur King, Non-resident Lecturer in English Diction, Dr. Helen Sard Hughes, Lecturer in English Literature, Mrs. Helene Buhlert Bullock, Miss Marguerite Capen Hearsey and Miss Frances Higginson Fuller, Instructors in English, and Miss Jane Perry Clark, Reader in English.

GRADUATE COURSES.

There are offered each year graduate seminaries and courses in English literature and in English language, and these seminaries and courses are varied so as to enable candidates for the degree of Doctor of Philosophy to pursue graduate work for three or more successive years. The graduate instruction in English literature includes the direction of private reading and the assignment of topics for investigation. The graduate courses in literature presuppose at least as much knowledge as is obtained in the two years' course of undergraduate lectures on English literature and in

* Granted leave of absence for the year 1922-23. The courses announced by Professor Donnelly are given by Dr. Helen Sard Hughes.

† Granted leave of absence for the year 1923-24. The courses announced by Dr. Savage for this year will be given by Mrs. Helene Buhlert Bullock.

‡ Granted leave of absence for the year 1922-23.

one of the literature courses of the English major; and the graduate courses in Anglo-Saxon presuppose as much knowledge of Anglo-Saxon as is obtained in the language course in the English major. All students offering English as a subject for the degree of Doctor of Philosophy must have taken at least the equivalent of the composition in the required English course.

Students who elect English literature as their major subject in their examination for the degree of Doctor of Philosophy must offer English philology as the associated minor and those who offer English philology as a major subject must offer English literature as the associated minor. In the major together with the associated minor the student must offer two seminars and a journal club for three years. A list of approved independent minors is given in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Miss Donnelly conducts in alternate years the following graduate seminary:

Seminary in English Literature.

Two hours a week throughout the year.

In 1922-23* Eighteenth Century Prose is the subject of the seminary. Swift, Addison, and Steele are studied. Attention is given to their relations to both contemporary politics and literature. The seminary is conducted by Dr. Helen Sard Hughes.

In 1924-25 the Romantic Poets will be the subject of the seminary. Special attention is paid to Shelley and Byron and to the phases of Romanticism shown in their work. Their relations to their contemporaries in England and on the Continent are discussed.

In 1926-27 Donne and Milton will be the subjects of the seminary. They are studied in their relation to such contemporary influences as Platonism and the Church and Puritanism and in especial to the sources and development of poetical style in the seventeenth century.

Dr. Brown conducts in each year the following graduate seminars:

Seminary in Middle English.

Three hours a week throughout the year.

In 1922-23 Middle English Romances are the subject of the seminary. All the romances represented in Middle English are read, and the relation of these English versions to their Latin and Old French originals are discussed. The romance cycles are taken up in the following order: Troy story, Alexander saga, Arthurian cycle, romances of Germanic origin, Charlemagne cycle. Special investigations of problems relating to the romances are undertaken from time to time by the members of the seminary.

In 1923-24 the seminary will study *The Vision of Piers the Plowman* and the works of Chaucer. Attention is devoted not so much to the critical reading of the texts themselves as to the examination of the questions of authorship and chronology which have recently been raised. These poems are also discussed in their relation to the other literature of the fourteenth century. Special subjects for individual investigation are assigned to the members of the seminary.

In 1924-25 the Beginnings of English Drama will be the subject of the seminary. After tracing the emergence of plays in the vernacular from the liturgical drama, the evolution of the leading English mystery cycles is studied. In considering the morality plays their connection with mediæval allegories, debates, and didactic treatises is specially examined. The lectures given by the instructor are designed to afford a general survey of the drama (both religious and secular) in England to the accession of Queen Elizabeth. Critical reports on assigned topics are required from the students.

* See footnote, page 61.

Seminary in Old English.

Two hours a week throughout the year.

In 1922-23 and again in 1924-25 Beowulf and the old English lyrics are studied in the seminary. The work begins with a careful textual study of the Beowulf. After discussing the problems of editing, a general survey of Beowulf criticism is presented including theories as to the composition of the poem, and an inquiry into its historical and mythological elements. In this connection a study is also made of the other pieces of Anglo-Saxon heathen poetry.

In 1923-24 and again in 1925-26 Cynewulf and Cædmon will be the subjects of the seminary. Several of the poems traditionally ascribed to these authors are critically studied. Lectures are given with a view to furnishing a thorough introduction to Anglo-Saxon Christian poetry and the literary problems connected with it.

This seminary is open to graduate students who have already taken the course in Anglo-Saxon grammar and reading of Anglo-Saxon texts, or its equivalent.

Dr. Chew conducts in each year the following graduate seminary:

Seminary in English Literature.

Three hours a week throughout the year.

In 1922-23 the seminary is engaged in the study of various aspects of the literature of the Victorian Era.

In 1923-24 the seminary will be devoted to recent Shakespearean criticism.

In 1924-25 the prose and poetry of Wordsworth and Coleridge; the Romantic critics; and the novel of the Romantic Period will be studied.

Dr. Crandall conducts in each year the following graduate seminars:

Seminary in English Composition.

Two hours a week throughout the year.

The chief business of the seminary is the discussion and criticism of the students' own writing. Its aim is to make familiar and apply the principles and standards of criticism that have developed with the development of literature; the subject of study in each year is adapted to the purpose and interests of the students.

In 1922-23 the subject of the seminary is historical writing and includes a study of the manner of Gibbon, J. R. Green, Motley, Parkman, and other historians.

In 1923-24 modern fiction, English, French, and Russian, is the subject of the seminary.

In 1924-25 the seminary will study the manner of writers of biography and memoirs among others Boswell, Lord Morley, and Henry Adams.

Seminary in American Literature for Foreign Students.

Two hours a week throughout the year.

The subject of the seminary is the history of American literature, more especially in the latter half of the nineteenth century. The seminary is intended primarily for foreign students and may not be counted for the degree of Doctor of Philosophy.

Dr. Savage conducts in alternate years the following graduate seminary:

Seminary in English Literature.

Two hours a week throughout the year.

In 1925-26 the subject of the seminary will be English prose from Pecoek to Bacon. After a consideration of certain aspects of the Renaissance as reflected in the prose of the period, attention will be directed to the development of non-dramatic prose. Reports, oral and written, on subjects assigned by the instructor or chosen by the students, will be required.

In 1927-28, the subject of the seminary will be English verse of the Renaissance. Besides the non-dramatic verse, some of the developments in criticism will be studied. Reports, oral and written, will be required from members of the seminary.

Dr. Brown offers in 1922-23 and again in 1924-25 the following graduate course:

English Historical Grammar.

Two hours a week throughout the year.

In this course the development of the English Language is traced from the earliest times. After an outline has been given of the history and external relations of English, the change and decay of inflections, the use of prepositions and the more important points in historical syntax are discussed. The course presupposes a knowledge of Anglo-Saxon and Middle English. The students examine various documents of the different periods to discover evidence of the operation of linguistic principles.

Dr. Savage offers in each year the following graduate course:

Technical and Advanced Criticism.

Two hours a week during the first semester.

In this course attention will be given to bibliography, the tabulating of critical data, the planning and writing of papers, reports, and dissertations, critical usage, and other matters. Materials collected for other courses in research are available for use in this work.

Dr. Brown, Miss Donnelly,* Dr. Chew, Dr. Crandall, Dr. Savage,* and Dr. Hughes together conduct the English journal club.

English Journal Club.

One and a half hours a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

The following advanced undergraduate courses may be attended by graduate students:

Miss Donnelly* offers in 1923-24 and again in 1925-26 the following course:

English Romantic Poets.

Five hours a week during the second semester.

The poets studied in this course are Wordsworth, Coleridge, and Shelley in the first semester and in the second, Byron, and Keats. Their works are discussed in class in connection with questions of poetics and literary theory and reports are required from students attending the course.

Dr. Chew offers in each year the following courses:

English Critics of the Nineteenth Century.

Five hours a week during the first semester.

Carlyle, Ruskin, Huxley, Arnold, Pater and Morley, and, if time allows, two or three other writers, are studied with regard to their theories of criticism and their influence upon the thought of their time. A report is required from each student attending this course.

The Elizabethan and Jacobean Drama

Five hours a week during the first semester.

A large number of plays by the dramatists from Lyly and Marlowe to Ford and Shirley are read. The lectures deal in part with aspects of contemporary life as reflected in the drama. A report is required from each student attending this course.

* See footnote, page 61.

Dr. Chew offers in 1922-23 and again in 1924-25 the following course:

English Poetry, 1850-1914.

Five hours a week during the second semester.

A rapid review of the progress of poetry during the first half of the nineteenth century is followed by more detailed study of the poets of the later period.

Dr. Chew offers in 1923-24 and again in 1925-26 the following course:

English Literature from Dryden to Johnson.

Five hours a week during the second semester.

The poets from Butler to Thomson; the philosophers from Hobbes to Hume; the novel from Defoe to Fielding; the beginning of English historical writing; and the essayists are the chief subjects studied in this course.

Dr. Brown offers in 1922-23 and again in 1924-25 the following courses:

Anglo-Saxon Prose and Beowulf.

Five hours a week during the first semester.

The first half of the course is devoted to an outline of Anglo-Saxon grammar as presented in Siever's *Old English Grammar* (Cook's translation) and to the reading of the prose selections in Bright's *Anglo-Saxon Reader*. After reading one or two of the shorter Anglo-Saxon poems, the *Beowulf* is taken up (Wyatt and Chambers' text) and the first two-thirds of the poem is read with the class.

Shakespeare.

Five hours a week during the second semester.

A careful study is made of a number of Shakespeare's plays, selected with a view to illustrating his earlier and later work. The plays usually chosen are: *King Lear*, *Henry IV*, Part 1, *Hamlet*, *Romeo and Juliet*, and *The Tempest*. Some of the more general problems connected with these plays are discussed in introductory lectures and various topics are taken up, such as the principles of tragedy and comedy, the use of allegory and the development of Shakespearian criticism.

Dr. Brown offers in 1923-24 and again in 1925-26 the following courses:

Middle English Romances.

Five hours a week during the first semester.

Selected romances in Middle English are read by the members of the class. The lectures deal with the development of Romance literature in Europe with special reference to the romances of the Arthurian cycle, and the discussion includes a review of the development of mediæval themes in later periods.

Middle English Poetry, Chaucer.

Five hours a week during the second semester.

The course begins with an outline of Middle English grammar sufficient to enable the students to read ordinary texts intelligently. Lectures are given on the development of the language and literature during this period. In the course on Chaucer the best of the *Canterbury Tales* are studied, also the *Legend of Good Women*, *The House of Fame*, and portions of *Troilus and Criseyde*. The lectures discuss Chaucer's sources and literary art, and his relation to the English, French, and Italian literature of his time.

Dr. Crandall offers in each year the following elective course:

Argumentation.

Two hours a week throughout the year.

The writing of arguments, the study of the form with reference to other types of writing, and other problems connected with argumentation, formal and informal, make up the work of the course. If possible, some attention will be paid to oral composition.

Dr. Crandall offers in 1922-23 and again in 1924-25 the following elective courses:

The Short Story.

Two hours a week throughout the year.

The course deals with various forms of narrative, more especially the short story, and includes a study of the work of representative authors, both English and French.

Versification.

Two hours a week throughout the year.

The course is not historical but theoretical and practical. Students are required to write short exercises in verse every week.

Dr. Crandall offers in 1923-24 and again in 1925-26 the following elective courses:

Daily Themes.

Two hours a week during the first semester.

Short papers on subjects chosen by the students themselves are required from each student and discussed in the class.

Criticism.

Two hours a week throughout the year.

The course includes a study of the principles of criticism and the writing of critical expositions, the essay, and kindred forms.

Dr. Savage offers in 1922-23 and again in 1924-25 the following course:

English Fiction in the Nineteenth Century.

Five hours a week during the second semester.

A study of the principal types of English prose fiction during the last century, the short story and the novel, with attention to their origins, development, and technique.

Dr. Savage offers in 1925-26 the following course:

The Technique of the Drama.

Two hours a week throughout the year.

This course is open only to those students who can assure the instructor that they can pursue the work with profit. It deals with the theory of the drama, the building of scenarios, adaptation, and the writing of original longer and shorter plays; and with the observation of dramatic technique in plays read and seen.

Dr. Savage offers in 1925-26 the following course:

Materials and Methods of Teaching Composition.

Two hours a week during the second semester.

This course is intended for graduate students and for undergraduates who expect to teach English; its aim is to present some of the problems of collegiate instruction in composition: the planning and supervision of courses, reports on departments in various colleges, and allied problems. Practice in writing is gained through reports of varying character and length.

Mr. King offers in each year the following course in English Diction for graduate students:

General Course in Articulation and Voice Production.

One half hour a week throughout the year.

The object of this course is to train speakers in accurate and distinct articulation and to eliminate the faults of bad production. Speech is resolved into its phonetic elements which are made the basis of practical exercises so arranged as to be progressive in their difficulties.

Mr. King offers in 1922-23 and again in 1924-25 the following free elective course in English Diction:

General Reading of Prose Authors.

One hour a week throughout the year.

This course is open only to those students who have attended the required course in English diction or who have done equivalent work.

Mr. King offers in 1923-24 and again in 1925-26 the following free elective course in English Diction:

Reading of Shakespeare.

One hour a week throughout the year.

This course is open only to those students who have taken the required course in English diction. A special study is made of the principles of correct delivery of blank verse. The needs of those students who intend to teach English literature, and desire to read Shakespeare to their pupils, are given special attention.

ROMANCE LANGUAGES.

French.

The instruction in this department is under the direction of Dr. Eunice Morgan Schenck, Associate Professor of French; Mr. Claude Gilli, Associate Professor of Romance Philology; Miss Marcelle Pardé,* Associate in French, and Miss Marthe Jeanne Trotain, and Miss Helen Belle Smith, Instructors in French.

GRADUATE COURSES.

Ten hours a week of seminary work and graduate lectures are offered each year to graduate students of French, accompanied by the direction of private reading and original research. The courses covering the field of Old and Modern French Language and Literature are arranged to form a triennial cycle. The work of each year centres around one main topic to be studied as a part of the history of French literature in its various relations to general literature and civilization of the period concerned. Students may enter a seminary in any year and pursue it during three or more consecutive years. The members of the seminaries report on subjects assigned them at the beginning of each semester.

Students who choose French literature as their major subject in their examination for the degree of Doctor of Philosophy must offer French philology as the associated minor and students who offer French philology as a major subject must offer French literature as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council. In the major together with the associated minor the student must offer two seminaries and a journal club for three years.

* Granted leave of absence for the year 1922-23; the courses announced by Miss Pardé are given by Miss Trotain and Miss H. B. Smith.

Dr. Schenck conducts in each year the following graduate seminary:

Seminary in Modern French Literature. *Three hours a week throughout the year.*

In 1922-23 the subject of the seminary is Romanticism and Realism. The origins of romanticism are examined in the rise of "*le cosmopolitisme littéraire*," in eighteenth century French literature and especially in the works of Rousseau and Madame de Staël.

A parallel study of the theories underlying literary and historical realism is made in connection with Taine, Renan, Zola, and Maupassant.

In 1923-24 the subject of the seminary will be Phases of Romanticism in the Nineteenth Century as illustrated by Hugo, Gautier, and Flaubert. A special study will be made of the origin and development of the theory of *L'art pour l'art*.

In 1924-25 the subject of the seminary will be Nineteenth Century Drama. After a rapid survey of the theatre of the eighteenth century a careful study is made of the drama of Hugo, Dumas père, Vigny, and Musset, and the extent of the influence of Shakespeare on French romantic drama. The rise and development of realistic comedy are studied and the course closes with an examination of Post-Realism and Symbolism in contemporary French drama.

Mr. Gilli conducts in each year the following graduate seminary:

Seminary in Mediæval French Literature. *Two hours a week throughout the year.*

The work expected of graduate students in the seminary in Mediæval French Literature consists of a first hand knowledge of the texts, a review of the opinions expressed by the leading specialists on each subject and a critical discussion of the work in question. The reports are intended to train graduate students in literary research. Students are expected to have a good reading knowledge of Old French and it is recommended that the course in Advanced Old French philology be taken together with this seminary.

In 1922-23 *La Fable Esopique* and the *Roman de Renard* is the subject of the seminary. The course includes a study of the *Æsopic* fables in the Middle Ages and treats in detail the extent to which the *Roman de Renard* is based on these fables. The *Ysopet* of Marie de France and the best "branches" of Renard are read.

In 1923-24 the subject of the seminary will be the *Matière de Bretagne* et l'*Épopée Courtoise*. The course includes a careful study of the *Lais* of Marie de France, the poems referring to Tristan and the *Romans* of Chrétien de Troyes. These are studied in connection with the question of their origin in Celtic countries and their later development in France.

In 1924-25 the subject of the seminary will be the origin and development of the Chansons de Geste and their influence in other European countries with special attention given to the *la geste royale*.

Mr. Gilli offers in each year the following graduate courses:

Old French Philology.

Three hours a week throughout the year.

Historical Grammar of Old French, followed by Critical Reading of Old French texts. This course is equivalent to a full seminary and counts as such.

Introduction into the Study of Romance Philology.

One hour a week throughout the year.

The study of Vulgar Latin and its evolution in the various parts of the Roman Empire. A critical study of Inscriptions and Glossaries. In the second semester a comparative study of the Phonology of Old Provençal, Old Italian, and Old Spanish will be combined with a special study of easy Old Provençal texts. It is recommended that the course be taken together with advanced Old French Philology or Mediæval French Literature. Graduate students taking the graduate language courses in Italian and Spanish who

have not had this course or its equivalent are strongly advised to take it at the same time, and will be given an allowance of three hours in the work required to make these courses equivalent to seminars. The two courses will together be equivalent to a full seminary and will count as such.

Advanced Old French Philology.

One hour a week throughout the year.

This course is open only to graduate students who have already taken the graduate course in Old French Philology or its equivalent.

The different dialects of Old French, the reconstitution of texts from the MSS., and the elements of Palaeography are the subjects of the course. It is recommended that this course be taken together with the Introduction to the Study of Romance Philology. The two courses will together be equivalent to a full seminary and will count as such.

Advanced Romance Philology.

One hour a week throughout the year.

This course is open only to graduate students who have already taken the graduate course in the Introduction to the study of Romance Philology or its equivalent.

The comparative philology of the various Romance languages including Roumanian is studied with a special consideration of the various Italian dialectical forms.

Mr. Gilli offers in each year the following graduate courses:

Old Provençal.

One hour a week throughout the year.

Historical Grammar of the Old Provençal language followed by a study of Old Provençal texts.

Anglo-Norman.

One hour a week throughout the year.

This course is specially intended for students of mediæval English language and literature who are recommended to take the course.

Miss Pardé offers in each year the following graduate course:

Modern French Literature.

Two hours a week throughout the year.

The method used in advanced literary instruction in France and known as the "*Explications de textes*" will be employed, students being required to give oral lessons and to write many short papers.

In 1922-23 the period studied is the seventeenth century. The seminary is conducted by Miss Trotain.

In 1923-24 sixteenth century authors will be studied.

In 1924-25 authors of the eighteenth century will be studied.

Dr. Schenck, Mr. Gilli, Miss Pardé,* Miss Trotain, Miss H. B. Smith, Dr. DeHaan and Dr. Bullock, together conduct the journal club in Romance languages.

Romance Languages Journal Club.

One and a half hours a fortnight throughout the year.

The journal club is intended to make the advanced students familiar with all the important European periodicals and with new books dealing with Romance Philology. For each session of the club an important article chosen from some one of the various periodicals is assigned to a student for review. The student is also referred to previous articles or publications treating of the same subject as that of the review, and is expected to present to the club a chronological outline of the history and stages of the discussion on the given point. Thus the students become familiar with the names of leading Romance scholars and with the particular lines of research in which each of the latter excels. At the same time such reviews prepare the way for seminary work and original investigations.

* See footnote, page 67.

POST-MAJOR COURSES.

Dr. Schenck offers in 1922-23 and again in 1924-25 the following post-major course, open to graduate students:

Modern French Drama.

Two hours a week throughout the year.

The course begins with a study of the plays of the Romantic period, and traces the development of French drama throughout the nineteenth century to the present day. The course is conducted by means of lectures, class-room discussion, and reports.

Dr. Schenck offers in 1923-24 and again in 1925-26 the following post-major course, open to graduate students:

The Short Story (*Nouvelle*) in the Nineteenth Century.

Two hours a week throughout the year.

In the first semester the *nouvelles* of the romantic period are studied in the works of Chateaubriand, Nodier, Vigny, Musset, Balzac, Mérimée, and Gautier. The lectures of the second semester treat the development and modification of realism by Flaubert, Zola, Daudet, Coppée, Loti, Bourget, France and others, while a careful study of the technique of the *nouvelle* is made in connection with Maupassant.

Miss Trotain offers in 1922-23 and Miss Pardé in 1924-25 the following post-major course, open to graduate students:

Evolution of French Lyric Poetry.

Two hours a week throughout the year.

The origins of modern French lyric poetry are discussed with special emphasis on the poets of the "Pléiade." The romantic movement, l'Ecole du Parnasse, and the later nineteenth century poets are also studied.

Miss Pardé offers in 1923-24 and again in 1925-26 the following post-major course, open to graduate students:

The Development of Social Ideals in French Literature.

Two hours a week throughout the year.

The following types will be studied: "Le chevalier" of the Middle Ages (La Chanson de Roland); "l'escolier" (François Villon); "l'homme de la Renaissance (Montaigne, Rabelais); "l'honnête homme" of the 17th century (Molière, La Fontaine, Pascal); "le philosophe" of the 18th century (Voltaire, Rousseau); "le romantique" of the 19th century (Lamartine, Musset); "l'intellectuel" (Renan, Anatole France).

Miss H. B. Smith offers in 1922-23 and Miss Pardé offers in each succeeding year the following post-major course open to graduate students:

Masterpieces of French Literature.

One hour a week throughout the year.

This course is conducted according to the method of the "*Explication de textes*" used in the French Universities. The texts chosen represent typical phases of the French genius, and vary from year to year being chosen from the authors read in the two hour course offered by Miss Pardé so that the course may be taken in two consecutive years.

Mr. Gilli offers in each year the following post-major course open to graduate students:

Advanced French Composition and Historical French Grammar.

Two hours a week throughout the year.

FREE ELECTIVE COURSE.

Dr. Schenck offers in each year the following free elective course open to graduate students:

Modern Tendencies in French Literature.

Two hours a week throughout the year.

Contemporary French writers are studied in relation to their predecessors and to modern movements. Lectures, class discussion and reports are in English; the reading in connection with the course is in French.

Only those students are admitted who have completed the course in General English Literature or the course in Major French Literature, and have passed the general language examination in French the autumn preceding their registration for this course. In special cases, where the general language examination has not been taken, the student must satisfy the instructor that her knowledge of French is sufficient for the course.

Graduate students desiring to take this course must satisfy the instructor that their previous literary training is equivalent to that required of undergraduate students, and that their knowledge of French is sufficient.

Italian.

The instruction in this department is given by Dr. Walter Llewellyn Bullock, Associate in Italian, and a Reader in Italian.

GRADUATE COURSES.

The graduate seminary in Italian is varied from year to year in order that it may be pursued by a student for consecutive years. Students electing Italian as a major subject for the degree of Doctor of Philosophy are required to offer French Philology as an associated minor. For the list of approved independent minors see the Regulations of the Academic Council.

Dr. Bullock conducts in each year the following graduate seminary:

Seminary in Italian Literature.

Two hours a week throughout the year.

In 1922-23 the subject of the seminary is the Renaissance Lyric, with special study of the history and use of the sonnet in the fifteenth and sixteenth centuries.

In 1923-24 the Origins of Italian Literature will be the subject of the seminary. Special attention will be paid to the thirteenth century forerunners of Dante.

In 1924-25 some aspects of the Literature of the Renaissance will be discussed with a special study of the position of woman in the life and letters of the sixteenth century.

If necessary modifications will be made in the work of the seminary to meet the special needs of students.

POST-MAJOR COURSE.

Dr. Bullock offers in each year the following post-major course open to graduate students:

Modern Italian Literature.

Two hours a week throughout the year.

The course traces the history of Italian Literature in the eighteenth and nineteenth centuries.

Spanish.

The instruction in this department is given by Dr. Fonger DeHaan, Professor of Spanish, and Miss Helen Belle Smith, Instructor in French and Spanish.

GRADUATE COURSES.

The graduate seminary in Spanish is varied from year to year in order that it may be pursued by a student for consecutive years. Students electing Spanish as a major subject for the degree of Doctor of Philosophy are required to offer French Philology as an associated minor. For the list of approved independent minors see the Regulations of the Academic Council.

Dr. DeHaan conducts in each year the following graduate seminary:

Seminary in Spanish.

Three hours a week throughout the year.

In 1922-23 some typical plays of Lope de Vega are the subject of the seminary.

In 1923-24 the *Novela picaresca* will be studied.

In 1924-25 the prose works of Cervantes will be studied.

Dr. DeHaan offers in each year, if his time permits, the following graduate courses:

Spanish Philology.

One hour a week throughout the year.

Old Spanish Readings.

One hour a week throughout the year.

POST-MAJOR COURSES.

Dr. DeHaan offers in each year the following post-major course open to graduate students:

Advanced Spanish.

Two hours a week throughout the year.

During the first semester Cervantes' *Novelas Ejemplares* and *Don Quijote* are studied; during the second semester the dramatical and poetical works.

German.

The instruction in this department is under the direction of Dr. Eduard Prokosch, Associate Professor of German, and Miss Anna Schafheitlin, Instructor in German.

GRADUATE COURSES.

The graduate courses offered in German philology may be found under the head of General Germanic Philology.

Graduate work in the history of modern German literature is conducted according to the seminary method. The courses are so varied that they may be followed by graduate students throughout three successive years and cover the work required of students who offer German literature as a

major or a minor for the degree of Doctor of Philosophy. Students who elect German literature as their major subject in the examination for the degree of Doctor of Philosophy must offer Germanic philology as an associated minor and students who offer Germanic philology as a major subject must offer German literature as an associated minor. In the major together with the associated minor the student must offer two seminars and a journal club for three years. A list of approved independent minors is given in the Regulations of the Academic Council.

Miss Schafheitlin offers in each year the following graduate seminary.

Seminary in German Literature.

Two hours a week throughout the years

It is hoped that the students will become familiar in the seminary with the method of scientific literary criticism and investigation.

In 1922-23 topics from mediæval German literature are studied. Dr. Prokosch conducts the seminary in this year.

In 1923-24 Goethe will be the subject of study in the seminary.

In 1924-25 the Romanticism of early modern German literature will be studied in the seminary.

Other subjects may be substituted in accordance with the needs of the students.

The German journal club is conducted in each year by the instructors in the department.

German Journal Club.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment, and criticism.

GENERAL GERMANIC PHILOLOGY.

The English and the German departments together have provided for a complete course in Germanic philology, comprising both the study of the individual languages (Gothic, Norse, Anglo-Saxon, Old Saxon, Old High German, Middle High German) and the study of general comparative philology.

The courses in introduction to the study of German philology, Gothic, and Middle High German are designed for students in their first year of graduate study in Germanic languages, and the remaining courses for students in their second or third year.

GRADUATE COURSES.

Dr. Prokosch offers in each year the following graduate seminary.

Seminary in Germanic Philology.

Two hours a week throughout the year.

This seminary is arranged for the benefit of the most advanced students in Germanic philology. Its object is to encourage independent work on the part of the students. The

work consists mainly of the discussion of special topics by the instructor and the students. Members of the seminary are expected to study the literature on these subjects, and to make an effort to contribute some additional material, or an independent opinion of their own.

In 1922-23 Old High German texts such as *Merseburger Zaubersprüche*, *Muspilli*, and *Hildebrandslied* will be studied in the first semester. The many problems that these texts offer and the various attempts to solve them are discussed. In the second semester modern High German texts will be the subject of the seminary.

In 1923-24 the subjects of the seminary will be taken from Middle High German texts. Problems in text criticism as well as literary problems connected with the works of Middle High German poets either of the classical period or of the periods preceding or following it will be discussed.

In 1924-25 the seminary is devoted to High German texts from the fourteenth to the seventeenth century. The material is taken either from official documents of this period belonging to various parts of Germany or from the works of writers such as Murner, Hans Sachs, Luther, and others; or from grammatical works of this period in Muller's *Quellschriften und Geschichte des deutschsprachlichen Unterrichts*, John Meier's *Neudrucke älterer deutscher Grammatiken*, etc. They are selected to illustrate the development of Modern High German. If it seems advisable Old Saxon texts (*Heliand* and *Genesis*) are also studied.

The order of these seminary subjects may be changed in accordance with the requirements of the students in any particular year.

Dr. Prokosch offers the following graduate courses.

Introduction to the Study of Germanic Philology.

One hour a week throughout the year.

(Given every year.)

These lectures deal with the aim and scope of historical Germanic grammar and with the general principles of Germanic metrics, mythology, and folklore.

Gothic.

Three hours a week through the first semester.

(Given every year.)

The course comprises a study of Gothic phonology and morphology on a comparative basis. As it forms the foundation of historical Germanic grammar it should be taken in the first year of graduate work, preferably in connection with the Introduction to the Study of Germanic Philology.

Old High German.

Three hours a week through the second semester.

(Given in 1924-25 and again in 1926-27.)

This course alternates with the course in Old Norse as a continuation of the course in Gothic. It treats the history of Old High German sounds and forms in connection with the reading of texts from Braune's *Althochdeutsches Lesebuch*.

Old Norse.

Three hours a week through the second semester.

(Given in 1923-24 and again in 1925-26.)

This course, which alternates with the course in Old High German, offers a historical study of Old Norse grammar in connection with the reading of Norse saga texts (in 1925) or the Edda (in 1923).

At least one of the following courses will be offered every year.

History of the German Language.

Two hours a week throughout the year or four hours a week through one semester.

(Given in 1923-24.)

The tendencies leading to the development of modern standard German will be studied in connection with the historical analysis of texts from different periods of the language.

Old Saxon.

Two hours a week through one semester.

(Given in 1922-23 and again in 1924-25.)

Selections from the *Heliana* will be read in connection with a study of Old Saxon grammar and metrics.

Middle High German.

Two hours a week throughout the year or four hours a week through one semester.

(Given in 1924-25.)

The course includes an historical study of Middle High German grammar and extensive reading of Middle High German poetry and prose.

Comparative Germanic Grammar.

Two hours a week through one semester.

(Given in 1923-24.)

This is recommended to those students only who have studied at least two of the early Germanic dialects. It comprises a study of the tendencies dominating the phonological and morphological development of the more important Germanic languages.

In addition to these courses, others in Middle and Modern Low German, Frisian, and Early Modern High German may be arranged for students that have previously studied Old Saxon, Anglo-Saxon, or Middle High German as a preparation for the study of these dialects.

Semitic Languages and the History of Religions.

The instruction in this department is under the direction of Dr. Theophile James Meek, Professor of Semitic Languages and the History of Religions.

The college was particularly fortunate in securing in the year 1892 the library of the late M. Arthur Amiaud, of Paris. While M. Amiaud was especially eminent as an Assyriologist, he was also prominent as a general Semitic student. His library was the collection of an active scholar, and forms a working library for the student in every department of Semitic study. It is especially rich in the Hebrew, Syriac, and Assyrian languages, containing several works, indispensable to the student, which are now out of print. Another Semitic library containing many works on the Talmud and on Jewish literature was acquired in 1904. Mr. Albert J. Edmunds presented to the college in 1907 his library of 500 volumes on the history of religions. The contents of these libraries, together with the books already owned by the college and those easily accessible in neighbouring libraries, form an exceptionally good collection of material for the specialist in Semitic languages. A good

working collection of cuneiform tablets is under the control of the department, and affords an excellent opportunity for students of Assyrian to become familiar with original documents.

GRADUATE COURSES.

Seminary work and graduate lectures amounting to at least five hours a week are offered each year to graduate students of Semitic Languages accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the elective courses of the department amounting to two hours a week may be elected by graduate students.

The graduate courses in Semitic Languages are varied from year to year, as indicated below, so that they may be pursued by a student for four successive years. Those who offer Semitic Languages as the major subject in the examination for the degree of Doctor of Philosophy are required to spend in Semitic work half their time for at least three years.

The work of the department is so arranged that students may specialise in Hebrew or Assyrian. Students who offer Hebrew or Assyrian as the major subject in the examination for the degree of Doctor of Philosophy must possess a knowledge of the grammatical forms of five Semitic languages. For a list of approved associated and independent minors see the Regulations of the Academic Council.

The regular alternation of courses is indicated below and at least five hours a week will be given in each year, the courses being selected according to the needs of the graduate students. Graduate students may enter in any year of the four years' course, as there will be afforded each year an opportunity for graduate students to begin Hebrew.

No undergraduates are admitted to graduate courses.

Dr. Meek offers in 1923-24 the following graduate seminaries:

Seminary in Semitic History.

One hour a week throughout the year.

This seminary is devoted to the critical investigation of specific problems in the field of Semitic history. Particular attention is given to the use of sources.

Seminary in Hebrew.

Two hours a week throughout the year.

This seminary is devoted to the philological and exegetical study of selected portions of the Old Testament in Hebrew. Attention is given to the use of the ancient versions for the purposes of textual criticism.

Dr. Meek offers in 1924-25 the following graduate seminaries:

Seminary in Oriental Archaeology.

One hour a week throughout the year.

The work of this course may be devoted to the archaeology of Mesopotamia, Palestine, or Egypt according to the needs of the students. It consists of extensive courses of reading in the literature of the subject, together with a study of photographs and archaeological objects, of reports, criticisms, conferences, and occasional lectures.

Seminary in Assyrian.

Two hours a week throughout the year.

The work of this seminary is devoted to the reading and interpretation of selected texts in Sumerian, Babylonian, and Assyrian. Opportunity is afforded for practice in the copying of original tablets.

Dr. Meek offers in each year the following seminary:

Elementary Semitic Languages.

Two hours a week throughout the year.

This course may be devoted to the elements of Hebrew, or Aramaic, or Syriac, or Assyrian, or Arabic according to the needs of the students.

Dr. Meek offers when required, the following graduate seminaries:

Seminary in the History of Religions.

One hour a week throughout the year.

The work of this seminary may be carried on in either of the following ways: By means of lectures, reports, and discussions the principal features of primitive religions are ascertained, and the principal civilized religions studied with special reference to origin, historical development, and religious point of view. The time may be devoted to investigating problems connected with one religion.

Comparative Semitic Grammar.

One hour a week throughout the year.

The grammar of Brockelmann is used as a basis for the work of this seminary. The course is given in the fourth year of the study of Semitic languages.

FREE ELECTIVE COURSES.

Dr. Meek offers each year ten hours of work in the following free elective undergraduate courses in Semitic history, biblical literature, and history of religions:

History of the Near East.

*Three hours a week throughout the year.**(Given in each year.)**Semitic History.*

This course treats in broad outlines the history and civilization of the Classical Orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal Oriental nations, Egyptians, Babylonians, Assyrians, Phœnicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilization of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilization. The lectures are illustrated by archaeological specimens and by photographs. Either semester may be elected separately.

Literature of the Old Testament.

*Two hours a week throughout the year.**(Given in 1922-23 and again in 1923-24.)**Biblical Literature.*

A critical study of the writings of the Old Testament, other than the prophetic writings, in the light of their historical setting and their literary form.

The Hebrew Prophets and Their Problems.

*Two hours a week during the first semester.**(Given in 1923-24.)*

A careful study and interpretation of the Hebrew prophets with particular attention given to their literary style, and their social, ethical, and religious teachings. This course is given in 1922-23 in the second semester.

Literature of the Apocrypha and New Testament.

Two hours a week throughout the year.

(Given in 1924-25.)

A critical study of the writings of the Apocrypha and the New Testament in the light of their historical setting and their literary form.

Social Institutions and Ideals of the Hebrews.

One hour a week throughout the year.

(Given in 1923-24.)

An investigation of the social institutions of the Hebrews and their social ideals, as expressed particularly by the prophets and by Jesus.

History of the Bible and Problems of Its Interpretation.

One hour a week throughout the year.

(Given in 1924-25.)

The history of the Bible from its early beginnings down to the translations of our own time, together with a consideration of the problems of its interpretation.

Elementary Hebrew.

Three hours a week throughout the year.

(Given on request.)

An elementary course in the Hebrew language, with the reading of easy prose passages from the Old Testament.

History of Religions.

Religions of the Semites.

Two hours a week throughout the year.

(Given in 1923-23 and again in 1924-25.)

A study in chronological order of the great Semitic religions (including the Egyptian) with special attention given to the Hebrew religion.

Religions of the Indo-Europeans.

Two hours a week throughout the year.

(Given in 1923-24.)

A study of the more important religions of the Indians, Iranians, Greeks, Romans, Teutons, and Celts in their mutual relations.

Religions of the Chinese and Japanese.

Two hours a week during the second semester.

(Given in 1924-25.)

An investigation of the religions of the Far East in ancient and modern times.

The Idea of God in the Great Religions and in Modern Thought.

Two hours a week during the first semester.

(Given in 1924-25.)

A critical study of man's conception of God from earliest times to the present, as revealed in the great religions and in modern thought.

The Idea of the Hereafter in the Great Religions and in Modern Thought

Two hours a week during the second semester.

(Given in 1923-24.)

A critical study of man's conception of the hereafter from earliest times to the present as revealed in the great religions and in modern thought.

History.

The instruction in this department is under the direction of Dr. Howard Levi Gray, Professor of History, Dr. William Roy Smith, Professor of History, and Dr. Charles Wendell David, Associate Professor of European History.

GRADUATE COURSES.

Three distinct seminaries, two in Mediæval and Modern European history and one in American history, are offered to graduate students in history in addition to a course in Historical Bibliography and Criticism and the direction of private reading and original research. Students may offer either European History or American History as a major for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Gray conducts in each year the following graduate seminary:

Seminary in Mediæval and Modern European History.

Three hours a week throughout the year.

In 1922-23 aspects of Yorkist and Tudor England are studied. Among these are the significance of the War of the Roses, the rise of a new nobility, the character of the absolutist government, the renunciation by the English Church of papal authority, the consequent dogmatic and social changes, the commercial rivalry and the conflict with Spain.

In 1923-24 the seminary will be devoted to the problems of contemporary Europe and relies upon recent historical literature. The genesis, the progress, and the results of the world war furnish the topics for study. Attention is given to the development of the industrial society of the second half of the nineteenth century, to the staging of the conflict by national interests and rivalries, to the adaptations required by the war, and to changes attendant upon reconstruction and influenced by the commanding position of labour in the social order of the day.

In 1924-25 the seminary is concerned with the history of England during the Hundred Years' War. Diplomatic negotiations, innovations in military science, the new taxation necessitated, the hostility not infrequently shown to the government, the social changes associated with the Black Death and the Peasants' Revolt, the doctrines advocated by Wiclif, the rise of the woollen industry and of a native merchant class, are among the subjects to which consideration is given.

Dr. William Roy Smith conducts in each year the following graduate seminary:

Seminary in American History.

Two hours a week throughout the year.

In 1922-23 American Colonial History is the subject of the seminary.

In 1923-24 the seminary will deal with the Civil War and Reconstruction. Special stress is laid upon the social, economic, and political reorganization of the South, the North, and the West, and also of the nation as a whole during the period from 1861 to 1877.

In 1924-25 the subject of the seminary is slavery and the negro problem. After preliminary survey of the history of slavery in the colonial period such topics as the slavery compromises of the constitution, the growth of slavery in the South, the abolition of the slave trade, the Missouri Compromise, the anti-Slavery movement, nullification, the Mexican War, the Wilmot Proviso, the compromise measures of 1850, the Kansas-Nebraska

bill, the Dred Scott decision, the abolition of slavery, and the adoption of the thirteenth, fourteenth, and fifteenth amendments are discussed. Special attention is paid to the conflict between sectionalism and nationalism and the connection between slavery, territorial expansion, and the development of constitutional theories.

In 1925-26 the Revolution, the Confederation, and the Constitution will be the subject of study. American history from 1776 to 1789 is discussed primarily from the local point of view as a step in the conflict between the seaboard aristocracy and the democracy of the frontier. The social and economic forces which led to the adoption of the Federal Constitution and the subsequent formation of national political parties are investigated.

All students offering this seminary for the degree of Doctor of Philosophy are required to offer in addition the course in Historical Bibliography and Criticism.

Dr. David conducts in each year the following graduate seminary:

Seminary in Mediæval and Modern European History.

Two hours a week throughout the year.

In 1922-23 the subject of the seminary is England during the transitional period of the late eighteenth and early nineteenth centuries. The genesis and development of the parliamentary reform movement are traced from 1768 to the passage of the Reform Act of 1832. Special attention is devoted to the influence of the French Revolution on English opinion and to the effects of the long struggle with revolutionary France and with Napoleon upon English internal history. The Industrial Revolution, with the grave social and economic consequences which it involved, is also made a subject of special study.

In 1923-24 the subject of the seminary will be England during the twelfth and thirteenth centuries. Special attention is paid to institutional and cultural developments, and to English continental possessions and connections.

In 1924-25 the subject of the seminary will be the French Revolution. Topics are selected for study from various periods and phases of the Revolution with a view to illustrating different kinds of historical problems, gaining an acquaintance with the principal printed sources and secondary works, and extending the student's knowledge of the revolutionary movement as a whole. Attention is paid to social and economic conditions, to political institutions, and to the intellectual movement under the Old Régime, as being essential to an understanding of the Revolution itself; and in the period beginning with 1789 the economic and social aspects and consequences of the revolutionary movement are steadily borne in mind.

Dr. David offers in each year the following graduate course:

Historical Bibliography and Criticism.

One hour a week throughout the year.

Historical bibliography is the subject of the course during the first semester. Special attention is paid to bibliographical guides; to libraries, archives and manuscript collections; to important sets of printed sources; to the development of historical studies since the Renaissance; and to the work and rank of leading historians of the nineteenth century. Historical analysis and synthesis are treated during the second semester. Special attention is paid to the external and internal criticism of documents; to the auxiliary sciences; to the arrangement and presentation of the results of historical research; and to the relation of history to science. The course consists of informal lectures and supplementary reading, with some assigned topics illustrative of the problems under discussion. This course should be elected by all students in history during their first year of graduate study.

Dr. Gray, Dr. William Roy Smith, and Dr. David, conduct in each year the historical journal club.

Historical Journal Club.

Two hours once a fortnight throughout the year.

The instructors in the department of history and the graduate students who are pursuing advanced courses in history meet once a fortnight to make reports upon assigned topics, review recent articles and books, and present the results of special investigations.

POST-MAJOR COURSES.

Dr. Gray offers in 1923-24 and again in 1925-26 the following post-major course, open to graduate students:

England under the Tudors.

Three hours a week throughout the year.

Attention will be given to the character of Tudor absolutism, parliamentary and local government, dynastic ambitions, foreign trade, the prosperity of the towns, and the yeomen, the progress of the Reformation, and the complications in foreign affairs arising from religious changes. The reading and reports will be based largely upon contemporary documents.

Dr. David offers in 1922-23 and again in 1924-25 the following post-major course, open to graduate students:

The French Revolution and Napoleon. *Three hours a week throughout the year.*

This course treats of the history of France and of Europe from 1789 to 1815, by means of lectures, assigned readings, and reports. The period is considered as an organic whole and the career of Napoleon is regarded as that of a child of the Revolution who in his later years abuses what has made him. The increasing mass of secondary material is appraised and some printed documentary material is used for reports and references.

Dr. William Roy Smith offers in 1922-23 the following post-major course, open to graduate students:

American Constitutional History from 1783 to 1865.

Two hours a week throughout the year.

The lectures deal with the leading aspects of the political, constitutional, and economic history of the United States from the ratification of the constitution to the present time. The text-book used is MacDonal's *Select Documents of the History of the United States*. but frequent additional references are given to the leading secondary authorities. To a limited extent use will be made of such documents as are available in the library, and special topics will be assigned for discussion and report.

Dr. William Roy Smith offers in 1923-24 and again in 1925-26 the following post-major course, open to graduate students:

The Colonisation of America (1492-1660).

Two hours a week throughout the year.

This course deals primarily with the English colonisation of America, but some attention is also paid to the early history of Spanish, Portuguese, Dutch and French imperial expansion.

Dr. William Roy Smith offers in 1924-25 and again in 1926-27 the following post-major course, open to graduate students:

The Colonisation of America (1660-1783).

Two hours a week throughout the year.

This is a continuation of the preceding course. It closes with the secession of the American colonies from the British Empire in 1776-1783.

ELECTIVE COURSE.

Dr. David offers in 1923-24 and again in 1925-26 the following free elective course, open to graduate students:

Civilization of the Ancient World.

Three hours a week throughout the year.

Special attention is paid to Greece and Rome; but extended consideration is also given to the subject of pre-history, to the early civilizations of western Asia, Egypt, and the Aegean region, and to the influence of environment, race, and culture upon human development. The evolution of civilization as a whole, from earliest times to the fourth century A. D., is presented in a single synthesis.

Economics and Politics.

The instruction in this department is under the direction of Dr. Marion Parris Smith, Professor of Economics and Politics, Dr. Charles Ghequiere Fenwick, Professor of Political Science, Miss Marjorie Lorne Franklin,* Instructor in Economics and Politics and Dr. Benjamin H. Williams,† Lecturer in Politics.

GRADUATE COURSES.

Three seminars, one in economics and two in political science, are offered each year in addition to the direction of private reading and original research. Post-major courses amounting to five hours a week which may be elected by graduate students are given in each year. Students may offer either economics or politics as their major subject for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Marion Parris Smith conducts in each year the following graduate seminary:

Economic Seminary.

Two hours a week throughout the year.

The object of the seminary is to train students in the methods of research, and in the organization of material. In short reports and long papers members of the Seminary are given practice in using original sources and in a critical study of secondary sources. The seminary discussion is supplemented by occasional lectures. Each student receives individual direction, and graduate studies are specially designed to prepare advanced students for Government Civil Service Examinations in the Department of State, Department of Commerce, and the Department of Labor, as well as for higher degrees.

In 1922-23, The Economic History of the United States, with special reference to Monetary and Banking Systems, Tariff and Foreign Trade, the Rise of the Factory System, the Development of Transportation, is the special subject of the seminary.

In 1923-24, Present Problems in Distribution. The subject of this seminary is the distribution of wealth in the modern industrial State. This includes such special topics as a study of the statistics of Incomes, Wage Problems, Limitation of Profits and Profit-sharing, Income and Excess Profit Taxation, Land Reforms, Projects for controlling Monopolies.

In 1924-25, The Industrial Revolution in Great Britain and America will be the subject of the seminary.

* Resigned, January, 1923. † Appointed January, 1923.

Dr. Fenwick conducts in each year the following graduate seminary:

Political Seminary.

Three hours a week throughout the year.

The methods of instruction in the seminary are designed to guide advanced students in special research work along the lines indicated by the titles of the courses. Some lectures are given but the main attention is devoted to the presentation and criticism of the results of studies made by the students themselves.

In 1922-23 the Constitutional Law of the United States will be the subject of the seminary. The decisions of the Supreme Court of the United States form the basis of the work. Special stress is laid upon the relations between the federal and state governments, interstate commerce, and due process of law under the Fourteenth Amendment. Students are required to present brief reports upon assigned cases in the first semester and to prepare a longer report upon a group of cases in the second semester.

In 1923-24 Comparative Constitutional Government is the subject of the seminary. The object is to compare and contrast the several forms of constitutional government represented by the United States, Great Britain, France and Germany, together with a study of the new constitutional governments of Russia, Czecho-Slovakia, and China, if proper material be available. Among the questions raised are the location of sovereign power, the authority of the constitution, the restrictions placed by the constitution upon the governing bodies, and the protection afforded by the constitution to the rights of individuals and minorities.

In 1924-25 Constitutional Questions involved in Modern Economic and Social Problems are the subject of the seminary. The chief economic and social problems of the United States are studied from the point of view of the restrictions placed by the Constitution upon the legislative powers of Congress and of the several states dealing with those subjects. As an introduction the various theories relating to the proper functions of the state are discussed.

In each year the following seminary is offered:

Seminary in Municipal Government.

Three hours a week throughout the year.

This seminary deals with the structure and functions of modern municipal government. The legal relation of the city to the state, city charters, various types of city government, including the commission and city-manager forms, are considered in the early part of the course. A study of modern municipal administration follows, including municipal finance and budgetary problems, city planning, housing, public health and sanitation, franchises and public utilities. The discussion of modern agencies for research in city government is supplemented by practical field work at the Philadelphia Bureau of Municipal Research. In 1922-23 this seminary was conducted by Miss Franklin in the first semester and by Dr. M. P. Smith and Dr. Fenwick in the second semester.

Dr. Marion Parris Smith, Dr. Fenwick, and Miss Franklin conduct in each year the economics and politics journal club.

Economics and Politics Journal Club.

Two hours once a fortnight throughout the year.

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment, and criticism.

POST-MAJOR COURSES.

Dr. Marion Parris Smith offers in 1922-23 the following post-major course open to graduate students:

Economic and Social Legislation in Great Britain and the United States.

Three hours a week throughout the year.

The object of this course is to give advanced students of economics training in using source material. In the first semester recent British legislation is studied; poor laws, old age pensions, industrial insurance, town planning, housing, education, public sanitation, etc. In the second semester, the topics studied are in connection with state and federal legislation in America; immigration, labour legislation; conservation of natural resources; land reform, etc.

Dr. Marion Parris Smith offers in 1923-24 and again in 1925-26 the following post-major course, open to graduate students:

American Economic and Social Problems. *Three hours a week throughout the year.*

The object of the course is to give advanced students training in the use of source material for economic and social studies, and the methods of study useful in graduate or professional studies. A few introductory lectures trace the history of certain social and economic events in the United States from 1865 to the present time; but the main work of the course consists in studies made by the students and presented to the class for discussion. Changes in rural and urban population, development of city life; problems of country life; immigration and race problems; food distribution and marketing, the cost of living, are among the subjects included.

Dr. Marion Parris Smith offers in 1924-25 and again in 1926-27 the following post-major course open to graduate students, with special reference to the needs of students working for civil service and consular examinations:

The Economic Background of American Foreign Trade.

Three hours a week throughout the year.

This course is divided into three sections with a brief historical introduction. Part I is devoted to American trade with Europe; Part II, Pan-American trade; Part III, Oriental trade. The general object of the course is to study the economic factors involved in American foreign trade, its extent and the chief problems presented and the degree of American dependence on the markets of other countries. Each student presents during the year a number of short reports which are discussed in the class. The aim of this method is to familiarize the students with the general subject, to give them certain precise bibliographical knowledge, and to afford some training in the arrangement and presentation of economic material.

Dr. Fenwick offers in 1922-23 and again in 1924-25 the following post-major course, open to graduate students:

Constitutional Questions involved in Modern Social and Economic Problems.

Two hours a week throughout the year.

In this course the chief economic and social problems of the United States are studied from the points of view of the restrictions placed by the Constitution upon the legislative powers of Congress and of the several states when dealing with those subjects. Decisions of the federal and state courts form the basis of the course.

Dr. Fenwick offers in 1923-24 and again in 1925-26 the following post-major course, open to graduate students:

International Law.

Two hours a week throughout the year.

The object of this course is to present the rules of international law as a positive system with an historical background of custom and convention. Use is made of judicial decisions of British and American courts applying the principles of international law wherever such cases are in point, and an endeavour is made to determine the precise extent to which a given rule is legally or morally binding upon nations. In view of the importance of the question of international reorganization at the present time stress is laid upon the problems involved in a League of Nations.

The following post-major course, open to graduate students, will be offered in each year:

Municipal Government.

Two hours a week throughout the year.

During the first semester the course deals with the historical development of municipal government, the causes of municipal corruption and disorganization, and the newer forms of constructive organization such as the commission and city-manager types of municipalities. On the basis of this introduction a study of municipal administration follows, covering such topics as municipal finance, town planning, public health, and sanitation. Class discussions and reports will be supplemented by observation trips and inspection of municipal departments in Philadelphia. In the second semester a comparative study is made of conditions in British, French and German municipalities. This course was given by Miss Franklin in the first semester of 1922-23.

FREE ELECTIVE COURSE.

Dr. Fenwick offers in each year the following free elective course, open to graduate students:

Elements of Law.

One hour a week throughout the year.

The object of the course is to familiarize the student with the principles and technical terms of those branches of private law with which the ordinary citizen is brought into contact. The subjects covered include Persons and Domestic Relations, Contracts, Torts, Real and Personal Property, and the chief forms of Procedure. The lectures are supplemented by a study and discussion of court cases bearing on the subject. The course is open only to students who have pursued a course in economics and politics or in history for at least five hours a week for a year.

Social Economy and Social Research.

The Carola Woerishoffer Graduate Department of Social Economy and Social Research.

The Carola Woerishoffer Graduate Department of Social Economy and Social Research was opened in the autumn of 1915 in order to afford women an opportunity to obtain an advanced scientific education in Social Economy which, it is hoped, will compare favorably with the best preparation in any profession. It is known as the Carola Woerishoffer Graduate Department in order that the name of Carola Woerishoffer, who devoted her life to social service and industrial relations, may

be associated in a fitting and lasting way with Bryn Mawr College which she so generously endowed.

The instruction in this department is under the direction of Dr. Susan Myra Kingsbury, Carola Woerishoffer Professor of Social Economy and Director of the Carola Woerishoffer Graduate Department of Social Economy and Social Research; Dr. Neva Ruth Deardorff, Associate Professor in Social Economy; Miss Henrietta S. Additon, non-resident lecturer in Social Economy; Mrs. Eva Whiting White, non-resident lecturer in Social Economy; Miss Helen Rankin Jeter, Instructor in Social Economy; Dr. Alice Hamilton, Special Lecturer in Industrial Poisons; a special Lecturer on Social Hygiene. The departments of Economics and Politics, Psychology, Education, and Philosophy offer seminaries and courses strongly recommended to students of Social Economy, under the direction of Dr. Marion Parris Smith, Professor of Economics; Dr. Charles Ghequiere Fenwick, Professor of Political Science; Dr. Theodore de Leo de Laguna, Professor of Philosophy; Dr. James H. Leuba, Professor of Psychology; Dr. Clarence Errol Ferree, Professor of Experimental Psychology; Dr. Gertrude Rand, Associate in Experimental and Applied Psychology; Dr. Matilde Castro, Professor of Education; Dr. Ada Hart Arlitt, Associate in Educational Psychology; and Mr. Samuel Arthur King, Non-Resident Lecturer in English Diction.

*Pre-
requisites.*

The courses in Social Economy and Social Research are intended for graduate students who present a diploma from some college of acknowledged standing and no undergraduate students are admitted.

Students of this department must offer for admission to their graduate work a preliminary course in economics, and more advanced courses equivalent to the Bryn Mawr College major course in economics, politics, sociology, history, psychology, or philosophy, and also preliminary work in psychology or sociology.*

The courses are planned on the principle that about two-thirds of the student's time shall be given to the study of theory and the remaining one-third to practical work.

* Students not having had courses in psychology and sociology may be expected to supplement their preparation by taking work at a university summer school of recognized standing.

In the first year the student will probably pursue a seminary in the theory and technique applied to her chosen field, as for example: Social Case Work, or Community Organization, or Industrial Organization in which she will give 9 to 14 hours, according to preference, to practice or field work in an institution or with a social agency or in a business firm chosen in relation to her selected field; she will take the seminary in theory most closely related to her special interests; unless already qualified she will take the course in statistics, and she will elect a third seminary. In addition all students attend the Journal Club. Each seminary requires about 14 hours of work each week, including hours of lecture, discussion, and conference. Full graduate work involves about 43 hours of work per week.

Practice work in each field consists of two types: (1) field work consisting of 7 to 12 hours (as may be elected by the student), 1 hour of individual conference each week, and 2 hours of seminary discussion in alternate weeks; (2) non-resident experience with social institutions, agencies, or business firms obtained during one month in December and January and during the summer following the eight months of work in Bryn Mawr College. The year's programme of the students will therefore run as follows: (1) Work at Bryn Mawr College, October 1st to December 9th, during which period at least one day a week is given to field work. (2) A Christmas practicum in which the student gives full service to a social organization or a mercantile or manufacturing establishment from December 11th to January 5th in New York, Boston, Philadelphia or elsewhere. (3) January 8th to February 1st, during which period the student will give her entire time to classes and study at Bryn Mawr College. (4) February 1st to June 1st, during which time the student will give one day a week to field practice work, with the exception of the Easter vacation. (5) The Summer practicum from June 11th to August 4th, during which time the student will give all of her time to practical work with a social organization or a mercantile or manufacturing establishment. The field work during the time of residence at the College, and during the Christmas and Summer practicum is under the careful supervision of an instructor of the Department.

After one year of work in this department one-half year may be given to a practicum in residence in a social service institution, in connection with a social welfare or community organization, in a federal or state department of labour and industry, in a federal or state employment office, or in a manufacturing or mercantile establishment in Philadelphia, New York, New England, or elsewhere, during which time the practical work and special reading and research will be supervised by the instructor in charge of the practicum and by the head of the institution, department or business firm.

*Certificates
and
Degrees.*

Students entering the Department are expected to pursue the work for at least one year. Unless the student has had undergraduate courses especially fitting her for professional social work, and experience in social work, at least two years are necessary for satisfactory preparation. A certificate will be given upon the completion of one or two years' study. One year of graduate work in the social sciences including economics, politics, sociology, history, education or in psychology or biology will be accepted toward the two-year certificate.

Graduates of Bryn Mawr College, and graduates of other colleges who shall have satisfied the Academic Council that the course of study for which they have received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or who shall have attended such additional courses of lectures as may be prescribed, may apply to the Academic Council to be enrolled as candidates for the degrees of Master of Arts or of Doctor of Philosophy;* admission to the graduate school does not in itself qualify a student to become a candidate for these degrees.

Candidates for the degree of Doctor of Philosophy in Social Economy and Social Research may select the associated or independent minor from the graduate seminars and courses outlined in this Calendar or from other graduate seminars or courses, subject to the approval of the Graduate Committee. Candidates for this degree in other departments may elect, with the approval of the Director of the Department, these seminars for the associated or the independent minor according to the regulations of the Academic Council of Bryn Mawr College.

* For requirements for the Master's degree and the degree of Doctor of Philosophy see pages 36 to 39.

GRADUATE COURSES.

The following graduate seminars and courses may be elected subject to the approval of the Director of the Department by students working for the first and second year certificates as well as by candidates for the degree of Master of Arts or of Doctor of Philosophy in Social Economy and Social Research, or may be offered as the associated or independent minor with the approval of the Director of the Department when the major is taken in certain other departments according to the regulations of the Academic Council.

Dr. Kingsbury offers in each year the following graduate seminary:

Seminary in Social and Industrial Research.

Three hours a week throughout the year.

Research in Social Economy involves two distinct types of studies. First, that which uses manuscripts or printed documents as sources of information, and second, that which secures data concerning human relations and social conditions from individuals, groups, organizations, or institutions. Both phases of social research necessitate an ability to discover cause and effect, to see the relations and interpret the interaction of social forces, to recognize and evaluate the factors conditioning or controlling social situations, and to establish facts concerning social phenomena.

Consequently, training in the acquisition, arrangement, analysis, and interpretation of data is essential for students undertaking either phase of social research. As other seminars in the Department and allied departments deal primarily with the first type of studies, this seminary is devoted exclusively to the second type. A subject is selected and arrangements made which will require students to secure social data by work in the field. The material is then organized, analyzed, and interpreted by the members of the seminary. In this way, training is given in filling out schedules, classifying data, drawing up tables, analyzing results, and interpreting material as a whole. The group of students may cooperate to produce a study which it is hoped will prove a contribution to our knowledge of social or industrial conditions.

In 1922-23 the seminary is conducting a study of the ambitions, aims and interests of young women in industry.

In 1923-24 the seminary will be selected from the following aspects of Social and Industrial Problems: (1) social relations, (2) standards of living, including income and wages, (3) the relation of health and industry, (4) industrial relations of women and minors.

As the chief subjects of investigation will vary from year to year, as noted above it will be possible for students to follow the work of the seminary for two consecutive years.

Dr. Deardorff offers in each year the following graduate seminars:

Seminary in Races and Peoples.

Two hours a week throughout the year.

A study is made of the definitions of race, of theories regarding the origin and evolution of races, and of the sociological characterization of peoples. This is followed by studies in special problems of immigration and assimilation in the United States.

Seminary in the Family as a Social Institution.

Two hours a week throughout the year.

A study is made of theories regarding the origin and evolution of the family as a social institution; and of the forms of the family and marriage customs as they have been scientifically observed among groups of nature peoples. Modern theories as to the future of the family and its relation to the other social institutions are also covered.

Miss Jeter offers in each year the following graduate seminars:

Seminary in Labour Organization.

Two hours a week throughout the year.

Some elementary study of labour problems is a prerequisite to this seminary. The seminary deals with the history, theory, methods, structure, and legal status of trade union organization in the United States. Methods of collective bargaining in particular industries are studied in some detail. This is followed by discussion of proposals for the improvement of industrial relations and the movement toward a share in the control of industry.

Students are expected to attend meetings of the Women's Trade Union League, the Philadelphia Central Labour Union, and meetings or lectures of direct importance to the labour movement.

Seminary in Research in Labour Problems.

Two hours a week throughout the year.

This course is open ordinarily only to second year students. It must be preceded by the seminary in Labour Organization or its equivalent. The general field of research is that covered by the seminary in Labour Organization. The special subjects treated are determined by the particular interests of the students. Material collected by the students is discussed in conference and presented in reports.

Dr. Castro offers in each year the following graduate seminars:

Seminary in Social Education.

Two hours a week during the first semester.

The Essentials of Educational Theory and Practice for Community Workers are studied in this seminary. The subjects dealt with serve as an introduction to the educational principles involved in the intelligent direction of such activities as community centers, settlement classes, clubs, etc. Among the subjects studied will be the characteristic mental and physical development of childhood, adolescence, youth, and maturity. This study will be used as a basis for the selection of the educational materials and methods appropriate to the needs and capacities of different groups of varying ages and differing educational opportunities.

Seminary in Educational Methods and Measurements.

Two hours a week throughout the year.

The seminary takes up the principles of educational methods and teaching technique. The latter part of the work deals with the theory and practice of educational measurements. The special subjects considered vary from year to year.

Dr. Leuba offers in each year the following graduate seminars:

Psychological Seminary.

Two hours a week throughout the year.

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: the psychology of mental and moral deficiencies with reference to the social problems they present, including case studies and research work in problems of delinquency; instinct, feeling and emotion; the psychology of religion and of ethics; social psychology; abnormal psychology and Freudian psychology.

Seminary in Social Psychology.

Two hours a week during the second semester.

In 1922-23 and again in 1924-25 the principles of social psychology and their applications to social problems are the subject of the seminary.

In 1923-24 and again in 1925-26 abnormal psychology, chiefly mental and moral deficiency, and its social implications: or temperament and character and their instinctive and emotional foundation will be studied.

This seminary, together with the seminary in Social Philosophy, or in Social Education, given in the first semester, may be counted as a seminary by students in the Department of Social Economy and Social Research.

Dr. Theodore de Laguna offers in each year the following graduate seminary:

Seminary in Social and Political Philosophy.

Two hours a week during the first semester.

The topics chosen for discussion vary from year to year. Among them will be such subjects as: the general nature of law; sovereignty and allegiance; the conception of personal liberty; property; punishment; marriage and the family; moral education. This seminary is open to students who have pursued an elementary course in philosophy. It may be elected separately or may be combined with the seminary in Social Psychology given in the second semester to count as a seminary in the Department of Social Economy and Social Research.

Mrs. White offers in each year the following graduate seminary:

Seminary in Community Organization and Administration.

Two hours a week throughout the year.

Laboratory and Field Work.

Twelve hours a week throughout the year.

In the first semester the following subjects are covered:

- (1) A study of the development of the community, of its physical aspects and its political and social organization.
- (2) Analysis of Primary and Universal Groups including the relation of the individual to these groups.
- (3) Survey of the Field of Social Work. The place of Community Organization in the progress of society.
- (4) Major industrial, social, and political problems and the application of the findings of sociology, economics, psychology, political science to the solving of those problems.
- (5) Principles of Case Work to be used in Community Organization.

In the second semester the work includes:

- (1) First steps in organizing a community, including methods of approach to strategic groups and to strategic individuals. Formation of a representative governing body. The community survey. Method of deciding on a programme of action.
- (2) Questions of Management. Committee organization. Staff organization. Budget making and accounting. Records. Office systems. Selection, training, and supervision of volunteers. The community building; its equipment and operation.
- (3) Community Finance and Publicity. The Community Chest. The growth of local federations of social and civic agencies.
- (4) Group Organization. The club, class, or society. Age groupings. Special interest groups. Methods of gauging the personal and social needs of the individual through group action. Educational, civic, social, recreational programmes for groups.
- (5) Units of Community Organization: city or town, neighborhood, block.
- (6) Community Cooperation with city or town governments, with public health agencies, with schools, with social and philanthropic agencies, with civic bodies and with churches.
- (7) Public and private forms of Community Organization. Use of schoolbuildings and of libraries as community centers. The development of public recreation systems, playgrounds and parks. Extension work of national departments. The programme of the Red Cross, of Community Service, and the Social Settlement. The local improvement society and the Community Council.

The course also takes up the question of legislative procedure, town planning, housing, the cooperative movement, and citizenship programmes.

The Practicum in Community Organization and Administration combines practical work in social and community education with reports and discussions. It must be preceded or accompanied by the seminary in Social Education—Essentials of Educational Theory and Practice for Social Workers—or its equivalent. In addition to reports and conferences, seven or twelve hours a week, according to election, are devoted to active work in a social center or settlement by which the student gains vital illustration of the principles and organization of community work.

The practicum is under the direction of Dr. Kingsbury and Dr. Deardorff and is so arranged as to give to the student training in the following activities:

(1) Direction and teaching of clubs and classes as observers, visitors, helpers and assistants.

(2) Regular daily management as assistants and later as directors.

(3) General administrative assistance in office work, including record-keeping, in library work, in activities to secure publicity, in preparation of newspaper articles, reports, posters, exhibits, parades, dramatics, plays, festivals, demonstrations, concerts, and lectures, in public speaking and writing, and in conducting financial campaigns and special studies.

(4) Teaching in night schools of classes in civics and elementary subjects, and conducting games, dramatics, gymnastics, playgrounds and kindergarten activities.

(5) Co-operation with civic movements, community campaigns and emergency activities, school programmes and publicity.

Training in the theory and supervision of practice in Physical Education may accompany this seminary.

Two or three months of non-resident practice in social centers and settlements, playgrounds or fresh-air camps may be arranged for the summer following the resident work at Bryn Mawr.

The fields from which the subject for the practicum may be chosen are community, civic and social centers, settlements, playgrounds, and health and recreation centers, and have included the Bryn Mawr Community Center, The Philadelphia College Settlement, The Young Women's Christian Association, and work in smaller neighboring communities.

The theory upon which community work is based and the technique used in its conduct are presented in this course to accompany the field practice. Experience of the student in the field is constantly used to exemplify the principles formulated.

The following graduate courses in statistics will be offered when required:

Advanced Statistics.

Two hours a week throughout the year.

This course attempts to study intensively the subjects of correlation and causation, or the functional relationships between series of facts. The main considerations of the course are the method of least squares, the theory of linear correlation, skew distribution, partial correlation, and the theory of contingency.

The course must be preceded by the course in Elements of Statistics or its equivalent, and a foundation in mathematics including the Calculus is desirable to facilitate ease in comprehension.

If accompanied by the Special Research in Statistics the course becomes equivalent to a seminary.

Special Research in Statistics.

Seven hours of laboratory work a week throughout the year.

This course, including laboratory analysis and reports, is offered in each year in connection with the course in Advanced Statistics, and the two courses taken together are equivalent to a seminary.

Miss Additon offers in each year the following graduate seminary:

Seminary in Social Case Work.

Two hours a week throughout the year.

Laboratory and Field Work.

Twelve hours a week throughout the year.

This seminary aims toward the preparation of the student to handle the individual case problems arising out of dependency, defect and delinquency. This involves a study of the method of investigation of the individual case, the objectives and methods of treatment, the agencies, both public and private, for giving expert services, special forms of care and assistance and legal custody. Studies are made of the adaptation of fundamental principles of investigation and treatment to particular forms of social maladjustment and physical and mental defect. The student is instructed in the theories of social responsibility with reference to these classes, of preventive measures already in effect, and of opportunities to extend preventive measures.

The Practicum in Social Case Work consists of field work carried on 7 to 12 hours per week according to election with such agencies as the following: The Philadelphia Society for Organizing Charities; The Home Service Department of the Red Cross; The Children's Bureau, an agency which investigates all complaints concerning children; The Children's Aid Society, a child-placing agency; The White-Williams Foundation, and Hospital Social Service Departments.

The field work with these agencies is under the supervision of Miss Additon and of the director of the particular agency or department. In addition to the regular practice work, students are taken on observation trips to courts, almshouses, orphanages, asylums, institutions for the feeble-minded, the blind, the crippled, hospitals, etc.

Miss Jeter offers each year the following seminaries:

Seminary in Industrial Relations.

Three hours a week throughout the year.

Laboratory and Field Work.

Twelve hours a week throughout the year.

This seminary deals with the general problems of modern industrial organization, including factory management, marketing, insurance and the price system. Special attention is given to the technique of Personnel Administration. Among the subjects discussed are the following: The functions of the personnel manager; factory lighting, ventilation, and sanitation; prevention of accidents and industrial disease; methods of selection and placement of employees; training and education; joint relationships of employer and employees; forms, records, and reports; investigations with regard to labour turnover, absenteeism, tardiness, fatigue, safety, and job analysis.

Field work during residence is accompanied by a two hour discussion period every two weeks on the practical problems confronting the student, and by observation visits to industrial establishments in the vicinity the alternate weeks.

The seminary must be accompanied by the seminary in Labour Organization.

Seminary in Research in Personnel Problems.

Two hours a week throughout the year.

This seminary must be preceded by the seminary in Industrial Organization and Personnel Administration and will be open only to second year students. Subjects of research and methods of work will vary from time to time with the needs and interests of the students.

The following courses are open to graduate students by special arrangement:

Criminal Law.

Two hours a week throughout the year.

By special arrangement with the Law School of the University of Pennsylvania students in this department may pursue the course in Criminal Law offered by Dean Mikell at the Law School, Thirty-fourth and Chestnut Streets, Philadelphia.

This course may accompany the course in Social Treatment of Delinquents and Defectives (Criminology).

Criminal Procedure.*Two hours a week throughout the year.*

By special arrangement with the Law School of the University of Pennsylvania students in this department may pursue the course in Criminal Procedure offered by Dean Mikell, at the Law School, Thirty-fourth and Chestnut Streets, Philadelphia.

This course must be preceded by the course in Criminal Law.

Mr. King offers in each year the following course in English Diction for graduate students:

General Course in Articulation and Voice Production.*One half hour a week throughout the year.*

The object of this course is to train speakers in accurate and distinct articulation and to eliminate the faults of bad production. Speech is resolved into its phonetic elements which are made the basis of practical exercises so arranged as to be progressive in their difficulties.

In each year the following course of lectures is open to students working in the department:

Social Hygiene.*One-half hour a week during the second semester.*

Dr. Kingsbury, Dr. Deardorff, Miss Additon and Miss Jeter conduct in each year the Social Economy Journal Club.

Social Economy Journal Club.*Two hours once a fortnight throughout the year.*

Current books and articles are reviewed, recent reports, surveys and investigations are criticised, and the results of important research are presented for discussion.

Dr. Marion Parris Smith offers in each year the following graduate seminary:

Economic Seminary.*Two hours a week throughout the year.*

The object of the Seminary is to train students in the methods of research, and in the organization of material. In short reports and long papers members of the seminary are given practice in using original sources and in a critical study of secondary sources. The seminary discussion is supplemented by occasional lectures. Each student receives individual direction, and graduate studies are specially designed to prepare advanced students for Government Civil Service Examinations in the Department of State, Department of Commerce, and the Department of Labor, as well as for higher degrees.

In 1922-23 and again in 1925-26, The Economic History of the United States is studied with special reference to Monetary and Banking Systems, Tariff and Foreign Trade, the Rise of the Factory System, the Development of Transportation.

In 1923-24 Present Problems in Distribution: The subject of this seminary is the distribution of wealth in the modern industrial state. This includes such special topics as a study of the statistics of Incomes, Wage Problems, Limitation of Profits and Profit-sharing, Income and Excess Profit Taxation, Land Reforms, Projects for Controlling Monopolies.

In 1924-25 the Industrial Revolution in Great Britain and America will be the subject of the seminary.

Dr. Fenwick offers in each year the following graduate seminary:

Political Seminary.*Three hours a week throughout the year.*

The methods of instruction in the seminary are designed to guide advanced students in special research work along the lines indicated by the titles of the courses. Some lectures

are given, but the main attention is devoted to the presentation and criticism of the results of studies made by the students themselves.

In 1922-23 the Constitutional Law of the United States is the subject of the seminary. The decisions of the Supreme Court of the United States form the basis of the work. Special stress is laid upon the relations between the federal and state governments, interstate commerce, and due process of law under the Fourteenth Amendment. Students are required to present brief reports upon assigned cases in the first semester and to prepare a longer report upon a group of cases in the second semester.

In 1923-24 Comparative Constitutional Government is the subject of the seminary. The object is to compare and contrast the several forms of constitutional government represented by the United States, Great Britain, France and Germany, together with a study of the new constitutional governments of Russia, Czecho-Slovakia, and China, if proper material be available. Among the questions raised are the location of sovereign power, the authority of the constitution, the restrictions placed by the constitution upon the governing bodies, and the protection afforded by the constitution to the rights of individuals and minorities.

In 1924-25 Constitutional Questions involved in Modern Economic and Social Problems are the subject of the seminary. The chief economic and social problems of the United States are studied from the point of view of the restrictions placed by the Constitution upon the legislative powers of Congress and of the several states dealing with those subjects. As an introduction the various theories relating to the proper functions of the state are discussed.

The following seminary is offered in each year:

Seminary in Municipal Government. *Three hours a week throughout the year.*

This seminary deals with the structure and functions of modern municipal government. The legal relation of the city to the state, city charters, various types of city government, including the commission and city manager forms, are considered in the early part of the course. A study of modern municipal administration follows including municipal finance and budgetary problems, city planning, housing, public health and sanitation, franchises and public utilities. The discussion of modern agencies for research in city government is supplemented by practical field work at the Philadelphia Bureau of Municipal Research.

Dr. Arlitt offers in each year the following graduate seminary:

Seminary in Intelligence Tests. *Two hours a week throughout the year.*

Laboratory Work in Intelligence Tests. *Four hours a week throughout the year.*

The work of the seminary is devoted to a critical survey of the field of mental tests. The laboratory work includes training in the use of tests followed by the practical application of them in schools.

Dr. Rand offers in each year the following graduate seminary:

Seminary in Applied Psychology. *Two hours a week throughout the year.*

Laboratory Work. *Four hours a week throughout the year.*

This course combines seminary, laboratory drill and research features, and covers the psychological aspects of mental testing with special application to problems of vocational guidance and to the testing of normal adults, adult and juvenile delinquents and defectives.

In the seminary work, the requirements of mental tests, their standardization and statistical treatment are considered. The laboratory drill work consists of training in the application of general intelligence and diagnostic tests to normal children and adults. This furnishes a standard of the normal reaction to the tests as well as practice in giving the tests. Later the work will be with delinquents and defectives. The research work will be done in connection with Vocational Guidance Bureaus. Two problems will be considered here: (a) the devising and standardizing of specific tests for diagnosing ability

for different vocations; and (b) the determination of the average level of intelligence needed to meet the demands of different vocations. The course is open only to graduate students who have had training in experimental psychology.

Special Problems in Applied Psychology. *Four hours a week throughout the year.*

This course is offered in connection with the course in Applied Psychology to students who wish to pursue more advanced work.

The following advanced undergraduate courses are offered by the Carola Woerishoffer Graduate Department:

Dr. Deardorff offers in each year the following course, open to graduate students:

Applied Sociology.

Two hours a week throughout the year.

The first semester's work includes a brief survey of populations, especially of the United States, and a study of the racial, national, economic and social factors which determine standards of living. The course then considers the forces which contribute to the formation of society, the processes through which society has evolved and the final product in social institutions. This discussion having provided a concept of the nature of society affords a point of departure from which to consider social conditions and organized efforts for social betterment. In the second semester the course includes a survey of the origin, growth, and present methods of the most important social service organizations in order to instruct the student in the fields of activity in which social work is being carried on: (1) social education, through settlements, civic centers or other neighborhood organizations; (2) improvement of industrial conditions, through associations for labor legislation, labor organizations, or consumers efforts; (3) child welfare, through societies for care and protection of children; (4) family care, through organizations for the reduction and prevention of poverty; (5) social guardianship, through the probation work in the juvenile courts or corrective institutions.

This course is open to students who have attended the course in Minor Economics.

Dr. Kingsbury offers in each year the following free elective course, also open to graduate students:

Elements of Statistics.

One hour a week throughout the year.

This course deals with the elementary principles of statistics and their application. Among the topics are the array, frequency distributions, averages, measures of variation, probability and theory of errors, theory of sampling, index numbers, logarithmic curves, graphic methods, comparisons, and the elements of linear correlation. It also attempts briefly to instruct the student in the principles and methods of record keeping and filing which are applicable to municipal, state, and federal offices, to business organizations, and to social organizations and investigation, and with the methods of securing, analyzing, interpreting and presenting social data. Formation of the various types of schedules, tabulation of information secured, and the framing of tables are among the subjects considered.

The course is recommended to students of social economy and of economics. No knowledge of mathematics beyond the requirements for matriculation is presupposed.

The following undergraduate courses in other departments of special value in preparation for professional work in Social Economy are recommended to students of Social Economy:

Post-Major Economics: American Economic and Social Problems.

Two hours a week throughout the year.

Major Economics: History of Economic Thought and Recent Economic Problems. *Five hours a week during the second semester.*

Major Politics: Present Political Problems. *Five hours a week during the first semester.*

Elective: Elements of Law. *One hour a week throughout the year.*

Major: Applied Psychology. *Five hours a week during the second semester.*

Minor: Experimental Psychology. *Five hours a week during the first semester.*

Laboratory work in Experimental Psychology. *Four hours a week during the first semester.*

Minor: Philosophy. Elementary Ethics. *Five hours a week during the second semester.*

Major: Social Psychology. *Five hours a week during the first semester.*

Elective: Education. *Two hours a week throughout the year.*

Elective: Experimental Educational Psychology. *Three hours a week throughout the year.*

Experimental Educational Psychology Laboratory work. *Two hours a week throughout the year.*

Elective: Theoretical Biology. *One hour a week throughout the year.*

Philosophy.

The instruction in this department is under the direction of Dr. Theodore de Leo de Laguna, Professor of Philosophy, Dr. Grace Mead Andrus de Laguna, Associate Professor of Philosophy, and Miss Margaret Storrs, Reader in Philosophy.

GRADUATE COURSES.

A seminary in the history of philosophy and a seminary in Ethics are offered each year and a seminary in logic and metaphysics is are offered in alternate years. The subjects of study are changed from year to year through a cycle of four years. A seminary in social and political philosophy is offered in the first semester of each year. Ten hours a week of advanced undergraduate courses are also open to graduate students. Students electing philosophy as their major subject for the degree of Doctor of Philosophy may emphasize either metaphysics or ethics. For the list of approved associated and independent minors see the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Theodore de Laguna conducts each year the following graduate seminary:

Ethical Seminary.

Two hours a week throughout the year.

In 1922-23 English Evolutionary Ethics, as exemplified in the writings of Darwin, Spencer, Clifford, Stephen, Alexander, and Hobhouse, and as criticised by Green, Sorley, Huxley, Pringle-Pattison, and Rashdall, is the subject of the seminary. Special attention is given to the problem of determining the nature and limitations of the genetic method as applied in ethical research.

In 1923-24 the subject of the seminary will be Recent French Ethics, with especial reference to the sociological theories of Durkheim and Lévy-Bruhl.

In 1925-26 the subject will be the Ethics of Hume and his Contemporaries.

Dr. Grace de Laguna conducts in alternate years the following graduate seminary:

Seminary in Logic and Metaphysics.

Two hours a week throughout the year.

In 1922-23 Contemporary Realism as represented by Moore, Russell, Alexander, Perry, McGilvary, and Fullerton is the subject of the seminary.

In 1924-25 Inductive logic will be the subject of the seminary. The theories of Sigwart, Mill, Whewell, Bradley, Bosanquet, and Dewey are the basis of investigations.

Dr. Theodore de Laguna in 1924-25 and Dr. Grace de Laguna in 1923-24 and in 1925-26 will conduct the following graduate seminary:

Seminary in the History of Philosophy.

Two hours a week throughout the year.

In 1923-24 the subject of the seminary will be English Empiricism. Special attention is paid to its connection with Associationism and to the development of the theory of scientific method.

In 1924-25 the philosophy of Plato will be discussed in the seminary. Special attention will be paid to the earlier dialogues, to the development of the theory of ideas and the relation of this theory to the teachings and method of Socrates.

In 1925-26 the subject will be the systems of Descartes and Spinoza.

Dr. Theodore de Laguna conducts in each year the following graduate seminary:

Seminary in Social and Political Philosophy.

Two hours a week during the first semester.

The topics chosen for discussion will vary from year to year. Prominent among them will be: the general nature of law; sovereignty and allegiance; the conception of personal liberty; property; punishment; marriage and the family; moral education.

This seminary may be elected separately, or may be combined with the seminary in Social Psychology, given two hours a week during the second semester, as a seminary for students in the Department of Social Economy and Social Research.

Dr. Theodore de Laguna and Dr. Grace de Laguna conduct in each year the philosophical journal club.

Philosophical Journal Club.

Two hours once a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent reviews and philosophical articles.

The following advanced undergraduate courses may be attended by graduate students:

Dr. Grace de Laguna offers in each year the following minor course:

History of Philosophy.

Five hours a week during the second semester.

Ancient philosophy is very briefly treated. The greater part of the course is devoted to the discussion of selections from the principal writings of Bacon, Hobbes, Descartes, Spinoza, Leibniz, Locke, Berkeley, and Hume.

Dr. Theodore de Laguna offers in each year the following major course:

Recent Philosophical Tendencies.

Five hours a week during the second semester.

This course includes a discussion of such theories as pragmatism, idealism, neo-realism, etc.

Dr. Grace de Laguna offers in each year the following major course:

From Kant to Spencer.

Five hours a week during the first semester.

The course is principally occupied with the development of the post-Kantian idealism, and with the naturalistic systems of Comte, J. S. Mill, and Spencer.

Dr. Theodore de Laguna offers in each year the following minor course:

Elementary Ethics.

Five hours a week during the first semester.

The course begins with a survey of the development of moral standards in the course of human progress from primitive to modern conditions. This is followed by a critical study of the theory of moral values, with especial reference to the phenomena of moral evolution. The concluding weeks are devoted to an introduction to the more general problems of social philosophy in their bearing upon the ideals of English and American liberalism.

Psychology.

The instruction in this department is under the direction of Dr. James H. Leuba, Professor of Psychology, Dr. Clarence Errol Ferree, Professor of Experimental Psychology and Director of the Psychological Laboratory, Dr. Gertrude Rand, Associate in Experimental and Applied Psychology, Miss Isabel King Wallace, Assistant Demonstrator in Experimental Psychology, and Miss Hazel A. Wentworth, Assistant Demonstrator in Applied Psychology, and Miss Margaret Storrs, Reader in Philosophy.

GRADUATE COURSES.

Twelve hours of graduate lectures and seminary work are offered in each year in addition to the direction of private reading and original research. Ten hours a week of advanced undergraduate courses are also open to graduate students. The laboratories of experimental psychology are open for research work. Students may offer either Social Psychology or Experimental and Systematic Psychology as a major subject for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

Dr. Leuba conducts in each year the following graduate seminaries:

Psychological Seminary.

Two hours a week throughout the year.

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: the psychology of mental and moral deficiencies with reference to the social problems they present, including case studies and research work in problems of delinquency; instinct, feeling and emotion; the psychology of religion and of ethics; social psychology; chapters in abnormal psychology and the Freudian psychology.

Seminary in Social Psychology.

Two hours a week during the second semester.

In 1922-23 and again in 1924-25 the principles of social psychology and their applications to social problems are the subject of the seminary.

In 1923-24 abnormal psychology, chiefly mental and moral deficiency, and its social implications; or temperament and character and their instinctive and emotional foundation will be the subject of the seminary.

This seminary together with the seminary in Social Philosophy, given in the first semester, may be counted as a seminary by students in the Department of Social Economy and Social Research.

Dr. Ferree conducts in each year the following graduate seminary:

Seminary in Experimental and Systematic Psychology.

Three hours a week throughout the year.

This seminary is intended, primarily, to give a systematic presentation of the literature of experimental psychology. Due consideration, however, will be given to all points of systematic importance. The work is grouped about the following topics; sensation, the simpler sense complexes, perception and ideas, feeling and the affective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.). The course covers three years; but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Psychological Laboratory Work.

The laboratory work consists of individual practice and research.

Dr. Ferree and Dr. Rand conduct in each year the following seminary:

Seminary in Research Methods and Problems.

Three hours a week throughout the year.

The object of this seminary is to give training in research. In addition to the work in the laboratory supplementary reading, reports and discussions are required. In special cases the course may be elected for a greater number of hours.

Dr. Rand conducts in each year the following seminaries:

Seminary in Applied Psychology. *Two hours a week throughout the year.*

Laboratory Work. *Four hours a week throughout the year.*

This course combines seminary, laboratory drill and research features, and covers the psychological aspects of mental testing with special application to problems of vocational guidance and to the testing of normal adults and adult and juvenile delinquents and defectives.

In the seminary work, the requirements of mental tests and their standardization and statistical treatment are considered. The laboratory drill work consists of training in the application of general intelligence and diagnostic tests to normal children and adults. This furnishes a standard of the normal reactions to the tests as well as practice in giving the tests. Later the work is with delinquents and defectives. The research work will be done in connection with Vocational Guidance Bureaus. Two problems will be considered here: (a) the devising and standardizing of specific tests for diagnosing ability for different vocations; and (b) the determination of the average level of intelligence needed to meet the demands of different vocations. The course is open only to graduate students who have had training in experimental psychology.

Seminary in Special Problems in Applied Psychology.

Four hours a week throughout the year.

This seminary is offered to students who have attended the seminary in Applied Psychology and wish to pursue more advanced work.

Dr. Leuba, Dr. Ferree and Dr. Rand together conduct in each year the psychological journal club.

Psychological Journal Club.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read reports on the literature of the subject and on the work done in the laboratory.

The following advanced undergraduate courses may be attended by graduate students:

Dr. Leuba offers in each year the following major and minor courses:

Social Psychology: The Psychology of Group Life and of some of the main Social Institutions.

Five hours a week during the first semester.

The Psychology of Instinct and Emotion, and Animal Behaviour.

Five hours a week during the second semester.

Although the course in animal psychology does not necessitate a special knowledge of biology, yet it appeals to students of that science since it deals with animal behaviour. Time is spent on an analysis of the methods by which animals learn. This part of the course is of special interest to students of education because of the light thrown upon the problems of mental acquisition in man.

Dr. Ferree and Dr. Rand offer in each year the following minor course:

Experimental Psychology.

Five hours a week during the first semester.

Laboratory Work.

Four hours a week during the first semester.

The lectures constitute an abbreviated course in systematic psychology in which the historical, critical, and theoretical features of the subjects covered are discussed and the experimental features demonstrated. Especial stress is laid on the comparative study of methods. The laboratory work consists of individual practice.

Dr. Ferree offers in each year the following elective course:

Advanced Experimental Psychology. *Two hours a week throughout the year.*

This course consists of five hours laboratory work a week, the students being assigned problems to investigate.

Dr. Rand offers in each year the following major course:

Applied Psychology. *Five hours a week during the second semester.*

Laboratory Work. *Four hours a week throughout the second semester.*

The specific applications of psychology form the subject matter of this course. An important feature is the application to the work of the clinic. Demonstrations are made of mental equipment and individual practice is given in mental testing. The applications of psychology to law, medicine, vocational guidance, advertising, etc., are briefly considered.

Education.

This Department is organized in part from the Phebe Anna Thorne Endowment and is connected with the Phebe Anna Thorne Model School.

The instruction in Education is under the direction of Dr Matilde Castro, Professor of Education and Director of the Phebe Anna Thorne Model School, Dr. Ada Hart Arlitt, Associate in Educational Psychology, and Miss Margaret Hall, Demonstrator in Educational Psychology.

The work of the Graduate Department of Education is intended for graduate students only. No undergraduate students are permitted to take any graduate work in education although graduate students may if they so desire elect undergraduate courses in education and psychology and other subjects. The courses are planned for graduate students who wish to study education for one, two, and three years on the principle that about one-half of the student's time will be given to purely educational courses and the remaining half to courses in the subjects in which she is preparing herself to teach. The degree of Master of Arts in Education is open to graduates of Bryn Mawr College and of other colleges of high standing under the general conditions prescribed for the degree of Master of Arts. The degree of Doctor of Philosophy in Education is open to graduates of all colleges of high standing under the general conditions prescribed for the degree of Doctor of Philosophy.

The Phebe Anna Thorne Model School.

The Phebe Anna Thorne Model School opened in the autumn of 1913 under the direction of the Bryn Mawr College Graduate Department of Education. It is maintained by an endowment of one hundred and fifty thousand dollars given by the executors of the estate of the late Phebe Anna Thorne to perpetuate her deep interest in school education and her desire to further research in the best methods of teaching school subjects. In 1922 the Phebe Anna Thorne Model School Association was organized and the school is operated on a new financial basis necessitated by the need for additional buildings. The Phebe Anna Thorne Model School is an integral part of the Graduate Department of Education and affords its students an opportunity to follow the work of the expert teachers of the model school and discuss in seminars conducted by the professors of education the various problems of teaching and administration as they arise from day to day. Pupils are admitted to the primary department at six years of age and to the elementary course at nine or ten years of age and will be fitted to enter Bryn Mawr and other colleges on the completion of a seven or eight years' school course based on the soundest available theory and practice of teaching to be found in this country or abroad. It is believed that the opportunity of studying the newest approved methods of secondary teaching will enable teachers who have studied in the Graduate Department of Education to teach more efficiently and to command materially higher salaries.

GRADUATE COURSES.

In addition to six seminars in education, there are offered in each year observation classes in the Phebe Anna Thorne Model School. The Department of Education also conducts an Educational Clinic in which examinations are made and advice given in regard to cases of retardation in special school subjects, general retardation or any other maladjustment to school environment. Students electing education as their major subject for the degree of Doctor of Philosophy may elect educational psychology, educational methodology, economics, social economy, social psychology, or experimental and systematic psychology, as the associated minor. The list of approved independent minors will be found in the Regulations of the Academic Council.

Dr. Castro conducts in each year the following graduate seminaries:

Seminary in Educational Methods and Measurements.

Two hours a week throughout the year.

The seminary takes up the principles of educational methods and teaching technique. The latter part of the work deals with the theory and practice of educational measurements. The special subjects considered vary from year to year.

Seminary in Social Education.

Two hours a week during the first semester.

The essentials of educational theory and practice for social workers are studied in this seminary. The subjects dealt with serve as an introduction to the educational principles involved in the intelligent direction of such activities as community centres, settlement classes, clubs, etc. Among the subjects studied is the characteristic mental and physical development of childhood, adolescence, youth, and maturity. This study is used as a basis for the selection of the educational materials and methods appropriate to the needs and capacities of different groups of varying ages and differing educational opportunities.

Dr. Castro and Dr. Arlitt conduct in each year the following graduate seminaries:

Seminary in Advanced Experimental Educational Psychology.

Two hours a week throughout the year.

Laboratory Work.

Four hours a week throughout the year.

The seminary considers the main categories of educational psychology from a theoretical and experimental point of view, and studies especially the psychology of school and high school subjects. If the student's training in psychology has been inadequate she is required to take the seminary in Educational Methods and Measurements or the requisite undergraduate work in education.

Seminary in Research Problems in Educational Psychology.

Two hours a week throughout the year.

This seminary is open only to candidates for the degree of Doctor of Philosophy.

Advanced History of Education.

Two hours a week during the first semester.

Philosophy of Education.

Two hours a week during the second semester.

These two courses taken together are equivalent to one seminary and are given in the first semester by Dr. Arlitt and in the second semester by Dr. Castro. Students electing this seminary must have previously taken two seminaries in Education.

Dr. Arlitt conducts in each year the following graduate seminary:

Seminary in Intelligence Tests.

Two hours a week throughout the year.

Laboratory Work in Intelligence Tests.

Four hours a week throughout the year.

The work of the seminary is devoted to a critical survey of the field of mental tests. The laboratory work includes training in the use of tests followed by the practical application of them in schools.

Dr. Castro and Dr. Arlitt together conduct the journal club.

Journal Club in Education.

Two hours once a fortnight throughout the year.

The advanced students meet with the instructors once a fortnight to report on and discuss recent reviews and articles, and the results of special investigations are presented for comment and criticism.

FREE ELECTIVE COURSES.

The following undergraduate courses, open to graduate students are offered in each year:

Education.

Two hours a week throughout the year.

The course interprets modern educational problems from the standpoint of their social setting; develops the psychological principles underlying the technique of teaching and demonstrates their application; and discusses the treatment of children individually and in groups in school and extra-school activities.

It is conducted as a general survey course covering the subject-matter indicated, or various topics are stressed and studied more intensively according as the interests of the class vary from teaching to social work or to a more general interest in educational problems.

This course is given by Dr. Castro in 1922-23.

The Psychology of Childhood.

Three hours a week throughout the year.

The course traces the mental, moral, and physical development of children from infancy through adolescence. A comparative study is made of the psychology of deficient, normal, and gifted children, and attention is given to their educational treatment. This course is given by Dr. Castro as a one hour course in 1922-23.

Experimental Educational Psychology. *Three hours a week throughout the year.*

Laboratory Work.

Two hours a week throughout the year.

In the first semester a study is made of sensori-motor learning, perceptual learning, and learning of the problem-solving type. Particular emphasis is laid on the conditions and methods of efficient study and on the training of memory.

In the second semester the course takes up the study of school subjects from the point of view of laboratory experimentation and a survey of the field of group and individual tests and educational scales and measurements. This course is given by Dr. Arlitt in 1922-23.

History of Education.

Two hours a week throughout the year.

The course considers the great educational movements in the light of their historical development. Emphasis is laid on the extent to which these movements influenced and were influenced by the social life and customs of the periods in which they originated.

Classical Archæology.

The instruction in this department is under the direction of Dr. Rhys Carpenter,* Professor of Classical Archæology and Dr. Mary Hamilton Swindler, Associate in Latin and Archæology.

Two archæological seminaries of two hours a week each and a graduate course amounting to one hour a week throughout the year are offered to graduate students who have done elementary archæological work, and also a journal club meeting one and a half hours a fortnight. In addition individual students will be directed in special work by means of private conferences.

*Granted sabbatical leave of absence for the year 1923-24. The courses offered by Dr. Carpenter will be given by an instructor whose appointment will be announced later.

Undergraduate courses of three hours a week and two hours a week are offered, affording an introduction to the various branches of classical archæology. The undergraduate courses are fully illustrated with lantern-slides, and photographs are available for review and comparison. In connection with graduate courses the students have access to the collections belonging to the department containing replicas of Greek and Roman coins, facsimiles of gems and seals, and a collection of original vase fragments, many of which are by known masters.

GRADUATE COURSES.

Two seminaries in archæology, a graduate course, and a journal club are offered to graduate students in addition to the undergraduate courses which are open also to graduate students. A good reading knowledge of both French and German is indispensable, and familiarity with both Greek and Latin, though not required, is of the utmost value for graduate work in archæology.

Students electing classical archæology as a major subject for the degree of Doctor of Philosophy must have taken the major undergraduate course in Greek and the minor undergraduate course in Latin or courses equivalent to these. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Carpenter conducts in each year the following graduate seminary:

Archæological Seminary.

Two hours a week throughout the year.

(Given in each year.)

This seminary is open only to graduate students who have had some previous training in classical archæology. The order of the subjects may be changed in accordance with the needs of the students.

In 1922-23 Greek Architecture is studied in the first semester, and Roman architecture in the second semester.

In 1923-24* fifth century Greek sculpture will be the subject of the seminary.

In 1924-25 Greek minor arts (coins, gems, terra-cotta) will be studied.

Dr. Carpenter* offers in each year the following graduate course:

Greek Epigraphy.

One hour a week throughout the year. •

In the first semester the origin of the Greek alphabet and the epichoric forms are studied. Roehl's *Imagines* and Part I of Robert's *Introduction to Greek Epigraphy* are used as textbooks. In the second semester a variety of inscriptions of artistic and topographic interest are read. The emphasis is archæological rather than linguistic or politico-historical.

* See footnote, page 105.

Dr. Swindler offers in each year the following graduate seminary:

Archæological Seminary.

Two hours a week throughout the year.

In 1922-23 Greek vases are the subject of the seminary with special reference to the vase masters of the fifth century.

In 1923-24 Etruscan and Roman Archæology will be the subject of the seminary. A survey of Etruscan sites and monuments is followed by a study of the monuments of Rome from the earliest times down to the Age of Constantine.

In 1924-25 the subject of the seminary during the first semester is Aegean Archæology with emphasis on the recent discoveries in Crete. During the second semester the subject is Ancient Painting, including a detailed survey of Cretan frescoes, painted plaques, stelae, and sarcophagi, Greek vases of the Polygnotan era, paintings found in Etruscan tombs, Pompeian wall decoration, and the mummy portraits from the Fayum.

Dr. Carpenter* and Dr. Swindler together conduct in each year the archæological journal club.

Archæological Journal Club. *One and a half hours a fortnight throughout the year.*

The graduate students and the instructors meet for the presentation and discussion of topics of current archæological literature.

The following undergraduate courses may be attended by graduate students:

Dr. Carpenter* offers in each year the following minor and major courses open to graduate students:

Greek Sculpture.

Three hours a week throughout the year.

A critical study of the rise, perfection, and ultimate developments of sculpture in Greece. The course is intended as a general introduction to the principles and appreciation of sculpture.

Ancient Architecture.

Three hours a week during the first semester.

The first twelve lectures deal with Egyptian, Babylonian, Assyrian, Persian and Aegean building. The remainder of the semester is devoted to a detailed study of the principles and practice of Greek architecture until late Hellenistic times. Emphasis is laid on architectural evolution and its connection with the civilization of the period.

Ancient Architecture (continued). *Two hours a week during the second semester.*

The architecture of Rome and the Roman Empire down to late Imperial times is studied in the second semester. Students entering this course in the second semester are required to prepare themselves by reading Warren's *Foundations of Classic Architecture*, chapter v., and Fowler and Wheeler's *Greek Archæology*, chapter ii.

Egypt and Crete.

One hour a week during the second semester.

A general study of the artistic and material aspects of the ancient Egyptian and the Cretan and Mycenaean civilizations. This course may be combined with Ancient Architecture, Ancient Rome, or Greek Minor Arts.

Art and Life in Hellenistic Towns. *Two hours a week during the first semester.*

A reconstruction, from existing remains, of town and city life in the period between the death of Alexander the Great and the Roman domination.

* See footnote, page 105.

Greek Minor Arts.*Two hours a week during the second semester.*

In addition to the archæological study of ancient Greek coins, gems, jewelry, silver-smithing, and terra-cotta, this course serves to give an understanding of the general æsthetic principles of art by an analysis of the morphological evolution and fundamental assumptions of Greek art. The course includes a brief treatment of the influence of Hellenic art on the art of other races.

Dr. Swindler offers in each year the following minor and major courses:

Ancient Painting and Vases.*Two hours a week during the first semester.*

The course traces the development of ancient painting. The material studied includes Egyptian and Cretan frescoes, Greek vases, Pompeian wall paintings, and the paintings from Etruscan sites.

Ancient Rome.*Two hours a week during the second semester.*

The course deals with the art and material civilization of Rome through Republican and Imperial times. It is intended both as an archæological background to Latin studies and as an introduction to Roman art, especially sculpture and painting. The course includes a study of Etruscan art and its influence on early Rome.

Dr Wright offers in each year the following free elective course, open to graduate students:

Greek Religion and Greek Myths.*Two hours a week throughout the year.*

This course is supplementary to Greek and English literature and to Oriental and Classical Archæology, and treats of the development of Greek religion, the attributes of the Olympian Gods, such as Zeus and Apollo, their ritual, and the influence on literature of Greek myths. This course may be offered as part of the minor course in Classical Archæology.

History of Art.

The instruction in this department is under the direction of Miss Georgiana Goddard King, Professor of the History of Art, and Mr. George Rowley, Instructor in History of Art.

Two seminaries of two hours a week and a journal club of one hour a week are offered to graduate students who have done elementary work in history of art. In addition individual students will be directed in special work by means of private conferences.

The undergraduate work is divided into courses of three hours a week and two hours a week on painting, sculpture and architecture.

All the courses are illustrated with lantern slides, and photographs are available for review and comparison.

GRADUATE COURSES.

Two seminaries in History of Art of two hours a week throughout the year are offered to graduate students who have done elementary work in history of art.

In addition to the graduate seminaries announced, other courses will be provided as need for them arises, and individual students will be directed in special work by means of private conferences. History of Art may be offered as a minor for the degree of Doctor of Philosophy. A list of major subjects with which it may be offered will be found in the Regulations of the Academic Council.

Miss King conducts in each year the following graduate seminary:

Seminary in History of Art.

Two hours a week throughout the year.

In 1922-23 the subject is selected from the mediæval field, and restricted to decorative elements.

In 1923-24 the general subject is Mediæval Art in the period that lies between the sixth and the sixteenth centuries, and the work of the year is devoted to the origins of Romanesque.

In 1924-25 the subject of the seminary will be Spanish Painting up to 1550; and in 1925-26 later Spanish Painting.

Graduate work in modern painting will also be arranged for any student who wishes to combine History of Art with English or French literature. While the order of the seminaries may be altered to suit the needs of individual students, certain canons of art, and certain æsthetic problems will be considered in successive years.

Mr. Rowley conducts in each year the following graduate seminary:

Sienese Painting.

Two hours a week throughout the year.

Miss King and Mr. Rowley together conduct in each year the journal club in the history of art.

Journal Club in the History of Art.

Two hours once a fortnight throughout the year.

The instructors and the graduate students meet for the presentation and discussion of current literature on Mediæval Archæology and the History of Art.

POST-MAJOR COURSES.

Miss King offers in 1922-23 and again in 1924-25 the following post-major course, open to graduate students:

Spanish Painting.

Three hours a week throughout the year.

This course is open only to students who have completed the minor and major work in history of art, or an equivalent course. The sources and development of Spanish painting are considered from the early miniature painters down to living painters. Students are expected to learn something about the Spanish character and history and to make short trips to see paintings on exhibition in America.

Miss King offers in 1923-24 and again in 1925-26 the following post-major course, open to graduate students.

Renaissance Sculpture.

Three hours a week throughout the year.

The first semester is devoted to the sculpture of the Italian Renaissance, the second chiefly to Northern art, and in especial to figure sculpture in France and Spain from the

finishing of the Cathedrals to the close of the Renaissance. The great sculptors of Germany will be studied carefully in between. The course is illustrated with photographs and lantern slides.

Mr. Rowley offers in 1922-23 and again in 1924-25 the following post-major course, open to graduate students:

Oriental Art.

Two hours a week throughout the year.

This course will consist of a general historical background and the consideration of special problems, such as the influence of Buddhism upon art and the inter-relation of Chinese and Japanese painting. Emphasis will also be placed on the æsthetic differences between the fine arts in the East and in the West. Completion of the minor, Art of the Far East, is a prerequisite.

Mr. Rowley offers in 1923-24 and again in 1925-26 the following post-major course open to graduate students:

Renaissance and Modern Architecture. *Two hours a week throughout the year.*

The following undergraduate courses may be attended by graduate students:

Miss King offers in each year the following minor and major courses:

Italian Painting of the Renaissance from the middle of the thirteenth to the middle of the sixteenth century. *Three hours a week throughout the year.*

In the first semester the Italian Primitives are studied, chiefly in the schools of Florence, Siena, and Umbria; in the second semester the painters of the High Renaissance, with special attention to those of Venice and the north of Italy. The course is illustrated with photographs and lantern slides.

Mediaeval Art, Byzantine and Romanesque.

Three hours a week during the first semester.

Byzantine Art in its various aspects will be studied in the early part of the semester and the question of its origin considered. The latter part of the time will be devoted to architecture and the allied arts in Italy, Germany, France and Spain up to the close of the Romanesque period.

Modern Painting.

Two hours a week during the second semester.

This course deals with the history of painting since 1800 and comes down to the present year. Students are expected to make trips to Philadelphia and the neighbourhood to study pictures as often as may seem necessary.

Mr. Rowley offers in each year the following minor and major courses:

The Art of the Far East.

Two hours a week throughout the year.

A general history of the development of art, especially painting, in China, Japan, and India from the earliest bronzes to modern color prints, with Buddhism as the unifying theme. Emphasis will be placed upon the great painting of the T'ang and Sung dynasties in China.

Mediæval Art, Gothic*Three hours a week during the second semester.*

A continuation of the course in Mediæval Art offered in the first semester. Gothic Art, including glass and miniatures, is traced down into the Renaissance. Emphasis will be placed on Gothic Architecture.

Painting in the Seventeenth and Eighteenth Centuries.*Two hours a week during the first semester.*

The purpose of this course is to establish the bases of modern painting, tracing the evolution of Northern realism until its culmination in Rembrandt and the Dutch School; the fusion of the Renaissance and Flemish traditions in Rubens; the contributions of the French Academie and Watteau, and lastly Velasquez as the transition to modern impressionism.

Music.

The instruction in this department is given by Mr. Thomas Whitney Surette, Director of the department, and Mr. Horace Alwyne, Associate Professor of Music.

The instruction offered in theoretical music covers fourteen hours of lectures a week exclusive of two graduate courses which will require about two-thirds of the student's time.

The objects of the undergraduate course in music are: to permit students to make music an integral part of a liberal education; to enable such students to feel and understand the music of the great masters, and to realize its significance historically as well as æsthetically. In the class exercises students constantly hear great compositions played so that the analysis made in the class shall be as far as possible based on the emotion or feeling of delight produced by the music. The courses in theoretical music leading from elementary harmony up to original composition are intended for those students who desire to specialize in music.

GRADUATE COURSES.

The graduate courses may lead under certain fixed conditions to the degree of Master of Arts, but are not permitted to count as any part of the requirements for the degree of Doctor of Philosophy.

Students wishing to specialize in music who meet the preliminary requirements of the Academic Council for the degree of Master of Arts will be allowed to become candidates for the degree of Master of Arts of Bryn Mawr College in Music only if they have offered the equivalent of two seminaries in Music together with a seminary in Education or some other seminary, subject in each case to the approval of the Committee on Graduate Courses and of the Director of the Department of Music.

Requirements for admission to graduate courses in music:

1. A.B. degree from a college of recognized standing.
2. Certain standards of knowledge or facility in instrumental or vocal music will be required of all students. Students offering vocal music to answer the above requirements will be expected to have some facility in piano playing. Students who are deficient in this requirement will be recommended by the Department of Music to certain qualified teachers outside the college.

3. Courses in the History of Music, Harmony and Counterpoint, in general equivalent to the undergraduate courses given in Bryn Mawr College, must have been taken, or must be taken without credit, as preliminary to graduate work.

Mr. Alwyne offers in 1923-24 and in each succeeding year two graduate courses and one graduate seminary:

Canon and Fugue.

Two hours a week throughout the year.

Requirements for admission: the four undergraduate courses in Harmony and Counterpoint; or the student must satisfy the Instructor that she is qualified to enter.

This course deals with the application of counterpoint to composition in these established forms; it requires some originality on the part of the student and some facility in piano-forte playing.

Orchestration.

Two hours a week throughout the year.

Requirements for admission: the four undergraduate courses in Harmony and Counterpoint; or the student must satisfy the Instructor that she is qualified to enter.

This course deals with the characteristics of each instrument in the orchestra—its tone quality, range, technique, etc.—with the grouping of the instruments—strings, woodwind, brass, percussion, etc.—and with the orchestra as a whole. Orchestral scores will be studied. Students will be required to apply the foregoing in the scoring for orchestra and in original work.

Seminary in Music. Free Composition.

Two hours a week throughout the year.

Requirements for admission: the four undergraduate courses in Harmony and Counterpoint; or the student must satisfy the Instructor that she is qualified to enter. This seminary deals with the application to Free Composition of the preceding courses in Harmony and Counterpoint.

UNDERGRADUATE COURSES.

Mr. Surette and Mr. Alwyne offer in each year the following undergraduate courses open to graduate students:

History and Appreciation of Music.

Three hours a week throughout the year.

This course consists of the study of the History of Music up to and including Beethoven, and of the masterpieces of music produced during that period. Characteristic works of sixteenth century vocal polyphony are studied, and compositions of the following composers are played in class: Scarlatti, Corelli, Rameau, Couperin, and their contemporaries; Bach, Handel, Haydn, Mozart and Beethoven. The forms included are the folk-song, motet, madrigal, fantasia, toccata, etc., the fugue, suite, rondo, theme and variations, sonata and symphony. All study and analysis is based on the music itself. The instruction is given by means of lectures, required reading, discussion, and by analysis by the students in class.

Advanced History and Appreciation of Music.

Three hours a week throughout the year.

The course in History and Appreciation of Music is required for admission.

This course consists of the study of the History of Music from Schubert through Brahms and César Franck and of the musical masterpieces produced during that period. The instruction follows the same plan as in the preceding course.

Mr. Alwyne offers in each year the following undergraduate courses open to graduate students:

Elementary Harmony.

Two hours a week throughout the year.

Requirements for admission: knowledge of intervals, scales and keys, ability to sing from note and to take musical dictation.

This course is the beginning of composition. It offers the student within certain limitations a choice in dealing with materials æsthetically. It does not impose upon the student mere copying of a model, but gives her some intellectual and æsthetic liberty. The student learns to use major and minor triads in their root positions and inversions and the dominant seventh chord. The student learns not only to write these logically but to hear them when writing them. Original melodies are required, these being based on poetic meters.

Advanced Harmony.

Two hours a week throughout the year.

Requirements for admission: the course in Elementary Harmony; or the student must satisfy the instructor that she is qualified.

This course is the continuation of the course in Elementary Harmony and carries the student through modern harmonic relations. Original melodies are written and harmonized, many modern compositions are analyzed, and an opportunity is given for freedom of expression.

Elementary Counterpoint.

Two hours a week throughout the year.

Requirements for admission: the two courses in Harmony; or the student must satisfy the instructor that she is qualified to enter.

This course deals with the various modes of counterpoint to which the courses in Harmony have led in so far as it has been possible to bring about "horizontal" writing in those courses. This course offers full opportunity for the expression of the individual student.

Mr. Alwyne offers in 1923-24 and in each succeeding year the following undergraduate course open to graduate students:

Advanced Counterpoint.

Two hours a week throughout the year.

Requirements for admission: the three preceding courses in Harmony and Counterpoint; or the student must satisfy the instructor that she is qualified to enter.

This course deals with the stated contrapuntal forms and requires some originality on the part of the student and some facility in pianoforte playing.

Mathematics.

The instruction in this department is under the direction of Dr. Charlotte Angas Scott, Professor of Mathematics, and Dr. Anna Pell, Associate Professor of Mathematics.

GRADUATE COURSES.

The graduate courses consist of lectures and seminary work supplemented by private reading under the direction of the instructors, the courses being arranged each year with reference to the wishes and degree of preparation of the students concerned. Students who elect mathematics as a major subject for the degree of Doctor of Philosophy are required to elect mathematics also as an associated minor. The list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Scott conducts in 1922-23 and in 1923-24 the following graduate seminary:

Mathematical Seminary.

Two hours a week throughout the year.

In 1922-23 one seminary is given in two parts, each extending through the year, (i) General Theory of Plane Algebraic Curves; (ii) Quadratic Transformation.

A half-time seminary in Differential Geometry of Curves and Surfaces, intended to serve as an introduction to more detailed study, and special investigations in certain types of plane quartic and quintic curves are also directed.

In 1923-24 the subject of the seminary will be plane cubic and quartic curves.

In 1924-25 seminary work will be offered in projective space geometry (surfaces and curves).

Dr. Pell conducts in each year the following graduate seminary:

Mathematical Seminary.

Two hours a week throughout the year.

In 1922-23 three half-time seminars are given: (i) a half-time seminary in the Theory of Functions of Infinitely Many Variables is given, based on the work of Hilbert, Schmidt, Hellinger and Toeplitz. (ii) A half time seminary on the Theory of Functions of a Complex Variable. (iii) A half-time seminary in Higher Algebra.

In 1923-24 the subject of the seminary in the first semester will be the Theory of Linear Differential Equations of Real Variables, including existence theorems, boundary value, oscillation and expansion problems. In the second semester Integral Equations will be studied.

In 1924-25 a seminary in Theory of Functions of a Complex Variable will be offered.

Dr. Scott and Dr. Pell together conduct the journal club.

Mathematical Journal Club.

One hour a fortnight throughout the year.

The journal club holds fortnightly meetings at which reports on special topics or memoirs are presented by the instructors and the graduate students.

POST-MAJOR COURSES.

The post-major courses in mathematics are designed to bridge over the interval between the ordinary undergraduate studies and advanced work. They deal, therefore, with the subjects of the major courses carried to higher developments and treated by higher methods. As the order of mathematical studies differs in different colleges, graduate students frequently find it advisable to devote a part of their time to these courses. Regular written work is expected from all mathematical students, and a reading knowledge of French and German is presupposed.

The post-major courses in any one year amount to five hours a week. The courses given are the following with occasional modifications:

Dr. Scott offers in 1922-23 the following post-major course, open to graduate students:

Lectures on Modern Pure Geometry.

One hour a week throughout the year.

Dr. Scott offers in 1923-24 the following post-major course, open to graduate students:

Special Topics in Geometry.

Two hours a week throughout the year

Lectures on special topics in geometry, such as systems of circles, Poncelet's theorem, circular coordinates, geometrical transformations, etc.

In 1924-25 the following post-major course, open to graduate students is offered:

Lectures on Modern Pure Geometry. *Two hours a week throughout the year.*

Dr. Pell offers in 1922-23 the following post-major course open to graduate students:

General Course in Analysis. *Two hours a week throughout the year.*

This course deals with the development of subjects such as determinants, definite integrals, infinite series, Fourier series, differential equations, etc., and varies from year to year to meet the needs of students electing it.

Dr. Pell offers in 1923-24 the following post-major courses, open to graduate students:

General Course in Analysis. *Three hours a week throughout the year.*

Dr. Pell offers in 1924-25 the following post-major courses, open to graduate students:

Higher Algebra and Theory of Numbers. *Three hours a week throughout the year.*

SCIENCE.

Physics, Chemistry, Geology, Biology.

Professors and instructors: Dr. Florence Bascom,* Dr. William B. Huff, Dr. David Hilt Tennent,† Dr. James Barnes, Dr. Roger Frederic Brunel, Dr. James Llewellyn Crenshaw, Dr. Anna Baker Yates, Dr. Franz Schrader, Dr. Malcolm Havens Bissell, Dr. W. S. Tangier Smith, Lecturer in Geology, Miss Sue Avis Blake, Miss Edith Hamilton Lamnan, and Miss Helen Ingraham.

In January, 1893, the Trustees opened Dalton Hall, a large building, containing ample laboratories, lecture-rooms, research-rooms, special libraries, and professors' rooms for the work of the scientific departments. The chemical, geological, biological, and physical laboratories and the laboratory for experimental psychology are open for students from nine to six daily.

The chemical department includes a lecture-room, a large laboratory for the first-year students, and several smaller ones

* Granted sabbatical leave of absence for the year 1922-23. The courses offered by Professor Bascom are given by Dr. W. S. Tangier Smith.

† Granted sabbatical leave of absence or the year 1922-23. The courses offered by Dr. Tennent are given by Dr. Schrader and Dr. Yates.

for advanced and special work, a special room for physical chemistry, preparation and balance rooms, and a chemical library. The supply of apparatus and chemicals has been carefully selected for the purpose of instruction and research, and is increasing from year to year. The chemical library contains, besides necessary treatises and reference books, complete sets of the most important chemical journals.

The geological department is equipped with large collections of minerals, rocks, and fossils, a carefully selected library, and laboratories furnished with maps, models, charts, lantern slides, petrologic microscopes, goniometers, and other apparatus necessary for work in undergraduate and graduate courses.

The biological laboratories are equipped with the best (Zeiss) microscopes, microtomes, etc., and are supplied with apparatus for the study of experimental physiology.

The physical laboratories are carefully furnished with the apparatus necessary for thorough work.

Graduate work in the natural sciences is highly specialized, and consists of laboratory work, private reading, and special investigations pursued by the student under the guidance of the instructors.

Physics.

The instruction in this department is under the direction of Dr. William B. Huff, Professor of Physics, Dr. James Barnes, Professor of Physics, and Miss Sue Avis Blake, Instructor in Physics.

GRADUATE COURSES.

The graduate seminars consist of lectures, laboratory work, and original research under the direction of the instructors, the lecture courses varying from year to year so that they may be pursued by students through consecutive years. A good working library containing the current and bound numbers of all the important physical journals is kept in the laboratory. Students electing physics as their major subject for the degree of Doctor of Philosophy may elect it also as the associated minor, provided either mathematics or applied mathematics is taken as the independent minor; or mathematics or applied mathematics may be taken as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Huff conducts in alternate years the following graduate seminary:

Seminary in Physics.

Three hours a week throughout the year.

In 1922-23 Radio-activity and Discharge of Electricity through gases is the subject of the seminary in the first semester and Electron Theory in the second semester. The earlier lectures treat of the effect of fields on the path of a moving charged particle. A discussion of typical experimental methods of measuring velocity and the ratio of charge to the mass follows. After a study of the phenomena of electrical discharge and of radio-activity a brief account of theories is given. In the Electron Theory the mathematical development of the subject is first dealt with and this is followed by experimental tests of theory.

In 1924-25 Mathematical Theory of Electricity and Magnetism is the subject discussed. The lectures are based on Maxwell's standard work, and include a general account of the later development of the theory.

Dr. Barnes conducts in alternate years the following graduate seminary:

Seminary in Physics.

Three hours a week throughout the year.

In 1923-24 the seminary deals with a general mathematical discussion of physical optics. Students are expected to give detailed reports on the methods and results of investigations which illustrate the theory. When it seems desirable two and a half hours of experimental work will be substituted for one hour of the seminary.

In 1925-26 Thermo-dynamics and Radiation are the subjects of the seminary. The modern developments of thermo-dynamics and radiation including X-rays and photo-electricity are considered. Attention is paid to the application of the laws of thermo-dynamics in physical chemistry.

Dr. Huff and Dr. Barnes together conduct the journal club, and the laboratory work.

Physical Journal Club.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read papers on assigned topics in physics.

Laboratory work.

The laboratory work is arranged for the purpose of familiarizing the student with the methods of research; the student begins by repeating methods and investigations of well-known experimenters, with any modifications that may be suggested, passing on to points of investigation left untouched by previous experimenters, and finally to the study of new methods and the prosecution of original research. Students taking physics as their chief subject for the degree of Doctor of Philosophy are expected to spend all the time possible in the laboratory. In the basement there is a constant-temperature vault designed for accurate comparison of lengths, etc., and the laboratory is provided with special rooms for magnetic, optical, and electrical work. A well-equipped shop and trained mechanics make it possible to have special forms of apparatus constructed which are needed in research work.

POST-MAJOR COURSES.

Dr. Huff offers in 1923-24 the following post-major courses, open to graduate students:

Properties of Matter.

Three hours a week during the first semester.

The lectures cover the general subject of the properties of matter studied from the point of view of the Molecular Theory. The different theories of matter are discussed

and an account of recent investigations concerning the relations of matter and electricity is given. Poynting and Thomson's *Properties of Matter* is read in connection with the course.

Theory of Sound.

Three hours a week during the second semester.

The lectures form an introduction to the theory of modes of vibration of pipes, strings, and rods. The theory of music and of musical instruments is then studied. Poynting and Thomson's *Sound* is used during the earlier part of the course, and frequent references are made to Helmholtz and Rayleigh.

Dr. Huff offers in 1925-26 the following post-major course, open to graduate students:

Electricity and Magnetism.

Three hours a week throughout the year.

The lectures of this course treat typical mathematical and experimental problems chosen from the various parts of the entire subject. A large number of problems on potential and attraction are assigned.

Dr. Barnes offers in 1922-23 the following post-major courses, open to graduate students:

Spectroscopy.

Three hours a week during the first semester.

The course begins with a complete discussion of the apparatus used in this subject; the results of past and present investigations are then considered, and problems for investigation are pointed out. The many important applications of spectroscopy to astronomy and to atomic structure are not neglected. The standard book of reference is Kayser's *Handbuch der Spectroscopie*. Detailed reports of laboratory investigations are required.

Astrophysics.

Three hours a week during the second semester.

This course consists of lectures on the application of physical principles and methods to the study of the composition, structure, and motions of the heavenly bodies. Selected chapters in Moulton's *Celestial Mechanics* and many papers from the *Astrophysical Journal* will be read and discussed.

Dr. Barnes offers in 1924-25 the following post-major course, open to graduate students:

General Optics.

Three hours a week throughout the year.

These lectures give a general discussion of the theories advanced to explain many phenomena in light. Students are required to have a good knowledge of elementary optics and to be sufficiently familiar with optical apparatus to undertake a detailed study of some special problem.

FREE ELECTIVE COURSE.

Dr. Huff offers in each year the following free elective course open to graduate students:

Physical Basis of Music.

One hour a week throughout the year.

In the lectures of this course it is planned to present some of the physical principles illustrated in the construction of musical instruments and underlying the general theory of music. Private reading will be assigned.

Chemistry.

The instruction in this department is under the direction of Dr. Roger Frederic Brunel, Professor of Chemistry, Dr. James Llewellyn Crenshaw, Associate Professor of Physical Chemistry, and Miss Edith Hamilton Lanman, Instructor in Chemistry.

GRADUATE COURSES.

The advanced courses in chemistry consist of lectures upon inorganic, organic, and physical chemistry, seminars, reports upon current chemical literature, and laboratory work. A reading knowledge of French and German is indispensable.

The lecture courses are varied from year to year to meet the requirements of students and to form a consecutive course for those who wish to make chemistry the major subject in the examination for the degree of Doctor of Philosophy. Such students may specialize either in organic chemistry under the direction of Dr. Brunel, or in physical or inorganic chemistry under the direction of Dr. Crenshaw.

No undergraduates are admitted to graduate courses.

Dr. Brunel conducts in each year the following graduate seminary:

Chemical Seminary, Organic Chemistry. *One hour a week throughout the year.*

This seminary is intended primarily for students who are carrying on research in organic chemistry, and consists of reports on assigned topics which are usually related to the research in which the student is engaged.

Dr. Crenshaw conducts in each year the following graduate seminary:

Chemical Seminary, Inorganic Chemistry.

One hour a week throughout the year.

The work of the seminary consists of lectures, required reading, and reports on various topics. The needs of the individual students are considered in selecting the subjects for discussion.

Dr. Brunel offers in each year the following graduate course:

Advanced Organic Chemistry. *One hour a week throughout the year.*

Lectures, reading, and occasional reports cover the historical developments and present status of subjects of current interest.

Students counting this course as the equivalent of a seminary are required to do enough laboratory work to make the work of the course occupy fourteen hours a week. The nature of this work depends so largely on the past training of the student that no definite statement can be made regarding it. A sufficiently advanced student may be assigned a problem to investigate.

Dr. Crenshaw offers in each year the following graduate course:

Physical Chemistry.*Two hours a week throughout the year.*

In the lectures no attempt is made to give a general survey of the subject but certain selected portions of the science are treated in detail and the student is made familiar with problems of current interest. Students counting this course as the equivalent of a seminary will be required to do enough laboratory work to make the work of the course occupy fourteen hours a week. The laboratory work will consist of advanced physico-chemical measurements.

Dr. Brunel and Dr. Crenshaw together conduct the journal club.

Chemical Journal Club.*One hour a week throughout the year.*

The advanced students, with the instructors, meet to hear reports and discussions on recent scientific articles.

POST-MAJOR COURSES.

Dr. Brunel offers in each year the following post-major course, open to graduate students:

Organic Chemistry.*Two hours a week throughout the year.*

The course consists of lectures, assigned reading with occasional reports, and laboratory. It is intended to broaden the student's acquaintance with the subject and to serve as an introduction to the study of present day chemical problems.

At least four hours of laboratory work a week will be required, three hours' credit being given for the course. The laboratory work will consist of the preparation of compounds, organic analysis, and study of the methods for determining the constitution of organic compounds.

Dr. Crenshaw offers in each year the following post-major course, open to graduate students:

Physical Chemistry.*Two hours a week throughout the year.*

The aim of the lectures is to extend the student's knowledge of physical chemistry and to lay a foundation for independent work on this subject. The lectures are supplemented by assigned reading and reports intended to give a general outline of the subject. The solution of a large number of problems is required.

The laboratory work amounting to four and a half hours a week is designed to prepare the students for physico-chemical research.

Dr. Crenshaw offers in each year the following post-major course open to graduate students:

Inorganic Chemistry.*One hour a week throughout the year.*

Selected topics in inorganic chemistry are discussed in detail and parallel reading is required. In the laboratory work of six hours a week advanced quantitative analyses are included.

Geology.

The instruction in this department is under the direction of Dr. Florence Bascom,* Professor of Geology, and Dr. Malcolm

* Granted sabbatical leave of absence for the year 1922-23. The courses offered by Professor Bascom are given by Dr. W. S. Tangier Smith.

Havens Bissell, Associate in Geology, and Dr. W. S. Tangier Smith, Lecturer in Geology.

The instruction offered in geology includes, in addition to the minor and major courses, three free elective courses of two hours and one hour a week, four post-major courses of two and three hours a week open only to graduates and to undergraduates that have completed the major course in geology, and two graduate seminars of three hours a week.

Post-major courses in petrography or mineralogy, economic geology, stratigraphy, and paleontology are offered in each year, and are designed to train the student in exact methods for the determination of rock and mineral species, in the genesis of ores, and in the principles of stratigraphy and paleontology. They are an essential preliminary to research work in the science.

Excellent illustrative material for the graduate and undergraduate courses is furnished by the geological and paleontological collections of the college, including the Theodore D. Rand rock and mineral collection, which alone contains over 20,000 specimens, by the private collections of the instructors, and by material lent by the United States Geological Survey; the department is also fortunate in its proximity to the museum of the Academy of Natural Sciences of Philadelphia; within easy reach of the college there are excellent collecting fields for fossil, mineral, and rock specimens.

GRADUATE COURSES.

The seminary in petrology and crystallography should be preceded by the major and post-major courses or their equivalents and is intended primarily for graduate students wishing to make inorganic geology a major subject for the degree of Doctor of Philosophy. The graduate seminary in crystallography is also intended to meet the needs of graduate students in chemistry who wish to make crystallography a minor subject for the degree of Doctor of Philosophy. The graduate seminary in physiography is designed primarily for graduate students wishing to make physiography a major subject for the degree of Doctor of Philosophy. Further graduate seminars in petrology and physiography will be arranged to suit the requirements of candidates for the degree of Doctor of Philosophy and research problems will be assigned.

Students may specialize either in petrology and crystallography, under the direction of Dr. Bascom, or in stratigraphic geology and physiography,

under the direction of Dr. Bissell, but students who make inorganic geology the major subject of examination must take either physiographic geology, inorganic chemistry, or crystallography as the associated minor and students who elect physiographic geology as the major subject must take either inorganic geology or biology as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to the graduate courses.

Dr. Bascom* conducts in each year one or more of the following graduate seminars:

Petrology, or Crystallography or Metamorphic Geology.

Three hours a week throughout the year.

The seminary is conducted by means of informal discussions, required reading, laboratory work, and formal reports. The selection of subjects in petrology is dependent upon the needs of the individual students and is varied from year to year. In crystallography direction is given in crystal measurement with the two-circle goniometer, in crystal projection, and crystal drawing. When metamorphic geology is the subject of the seminary the products and processes of anamorphism and katamorphism are investigated and classified.

Dr. Bissell conducts in each year the following graduate seminary:

Seminary in Physiography.

Three hours a week throughout the year.

A broad study of the physiographic cycle forms the basis of this course. The general principles governing the development of land forms are applied to various physiographic types, and the evolution of surface features under the control of climate and geologic structure is studied in considerable detail. This is followed by a study of definite regions illustrating the application of physiographic principles to problems of structural, economic and stratigraphical geology. Lectures, outside reading, reports, map work and field excursions are the methods of instruction. Research problems are taken up if time permits.

Dr. Bascom and Dr. Bissell together conduct the journal club.

Geological Journal Club.

Two hours once a fortnight throughout the year.

The graduate students and the instructors meet for the presentation and discussion of recent investigations or recent geological literature.

POST-MAJOR COURSES.

Dr. Bascom offers in 1922-23* and again in 1924-25 the following post-major course, open to graduate students:

Determinative Mineralogy.

Two hours a week throughout the year.

In this course lectures and laboratory practice deal with the determination of minerals by means of physical tests and by blow-pipe analysis. Special emphasis is placed on crystal form and practice is given in the use of the two-circle contact goniometer.

* See footnote, page 115.

Dr. Bascom offers in 1923-24 and again in 1925-26 the following post-major course, open to graduate students:

Petrography.

Three hours a week throughout the year.

During the first semester the lectures deal with the principles of optical crystallography, the optical means of mineral determination, and the petrographic characters of rock-forming minerals. In the second semester the textures, constitution, origin, geographic distribution, and geologic associations of igneous rocks are treated; practice is given in the quantitative system of classification. Special field problems may be given to the students for independent solution.

Dr. Bissell offers in 1923-24 and again in 1925-26 the following post-major course, open to graduate students:

Economic Geology.

Two hours a week throughout the year.

The origin and geological occurrence of the useful minerals are treated in considerable detail, particular attention being given to the metallic ores.

Dr. Bissell offers each year *one* of the following post-major courses; both will not be given in the same year.

Physiography.

Three hours a week throughout the year.

This course deals with fundamental physiographic principles and types. It may be modified from year to year to meet the needs of individual students. In addition to the lectures, private reading and field excursions, special reports and problems are assigned.

Stratigraphy and Paleontology.

Three hours a week throughout the year.

The work of the first semester consists largely of lectures and assigned reading, and is devoted to a thorough study of the principles of sedimentation. This is followed by a consideration of the laws governing the distribution of organisms in time and space.

In the second semester the lectures deal with the evolution of the continents and seas as shown by the record of the sedimentary rocks and their fossils. The successive formations of North America are studied in order, and ancient physiographic conditions deduced as accurately as possible. Particular attention is paid to the evolution of life through the different geological periods and the changes of environment controlling it. In the laboratory the typical fossils of each period are studied, and the student is required to learn the guide fossils of the more important geological horizons.

FREE ELECTIVE COURSES.

Dr. Bascom* offers in 1922-23 and again in 1924-25 the following free elective course, open to graduate students:

Cosmogony.

One hour a week throughout the year.

The work of the course is conducted by means of lectures, required reading, and classroom discussion. The lectures treat of the origin of the earth, the growth of the continents and the development of landscape, and are illustrated by lantern slides. Reading is assigned to supplement the lectures and to furnish further material for discussion. The course is intended to give a survey of the more important results reached by geologic research. It will be given only if elected by a sufficient number of students.

Dr. Bissell offers in 1922-23 and again in 1924-25 the following free elective course, open to graduate students:

* See footnote, page 115.

Principles of Modern Geography.

Two hours a week throughout the year.

This course is designed particularly to present the point of view of the "new geography." In general it deals with the relation of man and of human activities to physical environment and physiographic facts are studied only in so far as they affect human relationships. Much emphasis is placed on the importance of the geographic factor in the study of historical, political, social, and economic problems, and special emphasis is placed on the conception of the geographic unit region.

Dr. Bissell offers in 1923-24 and again in 1925-26 the following free elective course, open to graduate students:

Natural Resources and Their Conservation.

Two hours a week throughout the year.

The aim of this course is to impart the knowledge concerning natural resources and their economic and political significance which is essential to a proper understanding of present day national and world problems. Some of the topics discussed are: The increasing dependence of man on natural resources; iron and coal as essentials of modern civilization; mechanical power and its sources, past, present and future; food supplies of the present and future; natural resources and international politics. The treatment of the subject will be as broad as possible, and particular attention will be paid to the problems of the United States.

Biology.

The instruction in this department is under the direction of Dr. David Hilt Tennent,* Professor of Biology, Dr. Anna Baker Yates, Associate in Physiology and Biochemistry, Dr. Franz Schrader, Associate in Biology, and Miss Helen Ingraham, Demonstrator in Biology.

GRADUATE COURSES.

The advanced courses are varied from year to year, so as to form a consecutive course for students that wish to make biology one of the chief subjects of the examination for the degree of Doctor of Philosophy. Such students may specialize either in morphology under the guidance of Dr. Tennent and Dr. Schrader, or in physiology or in physiological chemistry under the guidance of Dr. Yates. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Dr. Tennent* conducts in each year the following graduate seminary:

Seminary in Zoology.

Three hours a week throughout the year.

In 1922-23 and again in 1924-25 Cytology is the subject of the seminary. The work deals with the anatomy of the cell and the relations and functions of its various structures in unicellular and multicellular organisms. Special attention is given to the phenomena of spermatogenesis and oögenesis and the theories connected therewith.

* Granted sabbatical leave of absence for the year 1922-23. The courses offered by Professor Tennent are given by Dr. Yates and Dr. Schrader.

In 1923-24 and again in 1925-26 Embryology of Invertebrates is the subject of the seminary. The work includes a systematic survey of the normal development of invertebrates; of the problems of germinal organization, cleavage and differentiation, and a discussion of the bearing of these questions on evolution and inheritance.

Dr. Yates conducts in each year the following graduate seminary:

Seminary in Physiology and Biochemistry.

Three hours a week throughout the year.

In 1922-23 the subject is the general metabolism of the mammalian organism and the influence of the endocrine organs in regulating and modifying vital processes.

In 1923-24 the physiology of the cell is studied. The work includes a consideration of the physical and chemical constitution of living matter; of the physico-chemical laws underlying life processes; of the dynamics of the single cell and of groups of cells aggregated into tissues.

In 1924-25 the comparative physiology of the nervous system is studied. The development of the nervous system is traced from the primitive forms to its complex form in the higher vertebrates. The bearing of this development on evolution and the significance of this development in the vital functions of the higher organisms is studied.

The order of the subjects may be varied to meet the needs of the students.

Dr. Schrader conducts in 1922-23 the following graduate seminary:

Seminary in Biology.

Three hours a week throughout the year.

Genetics is the subject of the seminary. The work includes a discussion of biometrical methods and results; of investigations on "pure lines"; of the effectiveness of selection; of the relation between chromosomes and heredity; of various theories of heredity and of the application of these ideas in animal and plant breeding.

Dr. Tennent,* Dr. Yates and Dr. Schrader together conduct the journal club and the laboratory work.

Biological Journal Club.

One hour a week throughout the year.

The advanced students and the instructors meet for the discussion of topics of current biological literature.

Laboratory Work.

There is no regular course of laboratory instruction for graduates. Each student must devote a considerable portion of her time to such work and will be given a problem for verification or extension. The nature of the work depends in each case on the qualifications of the student.

POST-MAJOR COURSES.

Dr. Tennent* offers in 1922-23 and again in 1924-25 the following post-major courses, open to graduate students:

Protoplasm, the Cell, and Cytological Technique.

One hour a week during the first semester.

This course consists of a study of the structure of protoplasm, the structure of the cell, the phenomena of cell division, maturation, and fertilization. Both plant and animal cells will be studied, and instruction will be given in methods of preparing cytological material for microscopical examination. This course is to be taken with four hours laboratory work as a two-hour course.

* See footnote, page 124.

Experimental Morphology.*One hour a week during the second semester.*

The object of this course is to give a general historical view of experimental morphology of both plants and animals, to discuss some of the methods employed, to point out the results already obtained, and to indicate the nature of the work now being done in the subject. This course is to be taken with four hours laboratory work as a two-hour course.

Dr. Tennent offers in 1923-24 and again in 1925-26 the following post-major course, open to graduate students:

Embryology of Vertebrates.*One hour a week throughout the year.*

This course consists of lectures, assigned reading, and laboratory work on the embryology of vertebrates. The lectures deal with the development of specific forms and with theoretical questions of embryological interest. The department has material for the study of the development of *Amphioxus*, *Ascidian*, *Amia*, *Lepidosteus*, *Squalus*, *Ctenolabrus*, *Necturus*, *Rana*, *Chrysemys*, *Chick*, and *Pig*. At least four hours of laboratory work are required.

The course is divided as follows: First semester, Early stages of development. Second semester, Organogeny.

Dr. Yates offers in 1922-23 and again in 1924-25 the following post-major course open to graduate students:

Biochemistry.*Two hours a week throughout the year.*

The course consists of lectures, assigned reading, quizzes oral and written and at least four hours of laboratory work a week. It deals with the chemical constitution of living matter; with the sources from which the chemical substances necessary for life are derived; with the chemical changes by which non-living material is incorporated as living matter; with the chemical changes by which both living and non-living matter provide energy for the carrying on of vital processes. In particular the chemical characteristics of the fluids and tissues of the body are studied so as to show, as far as possible, the actual chemical phenomena underlying or influencing the normal functions of the mammalian organism.

Dr. Yates offers in 1923-24 and again in 1925-26 the following post-major course open to graduate students:

Advanced Physiology.*Two hours a week throughout the year.*

This course consists of lectures, assigned reading, reports on current investigations, quizzes, and at least four hours of laboratory work a week. It will include an intensive study of the physiological properties of highly specialized tissues in lower vertebrates and mammals. The course will further deal with the interdependence of the parts of the organism and the relation of the parts to the whole, which makes possible an effective and smoothly running living mechanism.

Dr. Schrader offers in 1923-24 and again in 1925-26 the following post-major course open to graduate students:

Physiology of Microorganisms.*One hour a week throughout the year.*

During the first semester the time is devoted to an introduction to bacteriology, covering the routine bacteriological technique and a consideration of the elementary principles of immunity and infection. In the second semester taxonomy, problems of growth, cell division, regeneration, and reproduction in protozoa are treated. At least four hours of laboratory work a week is required. A special problem is assigned to each student.

Dr. Tennent, Dr. Yates and Dr. Schrader conduct laboratory work in connection with the above courses:

Laboratory Work.

It is desirable that as much laboratory work as possible should be done in connection with the courses offered above. The object of the laboratory work is to give the student experience in the use of apparatus and in its adaptation to research. Some special problem is assigned to each student; at the end of the year the results of the work are presented in writing.

FREE ELECTIVE COURSE.

Dr. Tennent offers in each year the following free elective course, open to graduate students:

Theoretical Biology.

One hour a week throughout the year.

This is an historical course dealing with the development of the theories of biology. Special attention is given to theories of evolution and heredity. The course is open to students who have had one year's training in science. A considerable amount of assigned reading is required.

COLLEGE BUILDINGS.

The college buildings are situated at Bryn Mawr, in the suburbs of Philadelphia, five miles west of the city, on the main line of the Pennsylvania Railroad. Bryn Mawr is connected with Philadelphia by frequent electric trains on the Pennsylvania Railroad and by an electric trolley running every twenty minutes. The site of the college is four hundred and twenty feet above sea level in the midst of a beautiful rolling country made accessible by good roads in every direction. The college grounds cover fifty-two acres, and include lawns, tennis-courts, and three large athletic fields.

Taylor Hall (named after the founder), a large building of Port Deposit stone, contains a general assembly room, ten lecture-rooms, an office for the Alumnae Association, and the offices of administration.

The Donors' Library, the gift of the friends, graduates, and students of the college, was begun in April, 1903, and completed in February, 1907. It is built of gray stone in the Jacobean Gothic style of architecture of the period of 1630 and forms three sides of a closed quadrangle. The main building, devoted to the library proper, faces east and is opposite and parallel to Taylor Hall at a distance of about fifty yards; the principal entrances of the two buildings face each other and are connected by a broad cement path. The east front is one hundred and

seventy-four feet long and contains a three-story stack with accommodation for 88,000 volumes, and above this a large reading-room with desks for one hundred and thirty-six readers, each desk screened to a height of two feet as in the British Museum reading-room to secure privacy to the reader. No books of reference are kept in the main reading-room. The total book capacity of the library, including the seminary libraries and the books for general study which are kept in the stack, is 168,449 volumes. The building is absolutely fireproof. On the north side of the main reading-room is the Art and Archæological Seminary, containing collections of photographs, vases, and coins; on the south side are the offices of the Carola Woerishoffer Department of Social Economy. The main building contains the Stack, the New Book Room, Reference Book Room, the Carola Woerishoffer Memorial Room, the Reserved Book Room, the Christian Association Library, one lecture room, one professor's office, and three cloak rooms. The wings of the building, running symmetrically about two hundred feet in length from the north and south ends of the main building, contain fourteen seminary rooms and thirty-two professors' offices. The books needed for graduate study and research are kept in the seminary rooms and graduate lectures are held in them. The seminaries are arranged as follows: Greek, Latin, English, Art and Archæology, French and Italian and Spanish, German, Semitic Languages and Philosophy and Education in the north wing; Mathematics, History, Economics, Carola Woerishoffer Department of Social Economy and Social Research, and Psychology in the south wing, where are also offices for the librarians and cataloguers. The professors' offices for the two senior professors in each department in general adjoin the seminary rooms. There are also two general lecture-rooms, one accommodating forty-two the other twenty students. On the first floor of the south wing the department of experimental psychology has two large laboratories, one for general work and one for research. The basement of the north wing contains an experimental laboratory of the department of Education, two interview rooms, a room for the Monograph Committee of the Faculty, and fire-proof safe rooms for the records and archives of the college.

The quadrangular court enclosed by the building is surrounded by cloisters and in the centre of the grass enclosure is a fountain, the gift of the class of 1901.

The library is open for students on week-days from 8 A. M. till 10 P. M. and on Sundays from 2 P. M. till 10 P. M. It is open for the faculty at all hours.

In January, 1893, the scientific departments of the college were transferred to Dalton Hall, a stone building erected by the trustees out of funds in large part contributed by the generosity of friends of the college. Dalton Hall is entirely occupied by the scientific departments, the special scientific libraries, and the consultation-rooms of the professors of science. The first floor and the basement are reserved for physics, the second floor is reserved for biology, the third floor for chemistry, and the fourth and fifth floors for geology. In December, 1893, a greenhouse designed for the use of the botanical department was added to Dalton Hall as the gift of the alumnæ and students.

The new gymnasium, erected on the site of the first gymnasium as a gift of the Athletic Association, the alumnæ and thirteen neighbours of the college, was completed in February, 1909. It is open to the students from 8 A. M. till 10 P. M., daily, contains a large hall for gymnastic exercises, with a running or walking track for use in rainy weather; a room for the director and an adjoining room for the examination and record of the physical development of the students, a waiting-room, and cloak rooms. The roof, 50 feet wide by 90 feet long, is used for gymnastic drills and students' entertainments. In the basement are dressing-rooms and shower-baths for use after exercise and a swimming-tank, seventy feet long, twenty feet wide, and from four to seven and a half feet deep, given in 1894 by the alumnæ, students, and friends of the college, and well supplied with apparatus for the teaching of swimming. The gymnasium is under the charge of a director and an assistant.

On the grounds, separated from other buildings, is the 1905 Infirmary. It was opened in October, 1913, with accommodation for patients and nurses, doctors' offices and consultation rooms, diet kitchens, bathrooms, wards and private rooms, sun parlour, sun terrace, and two isolation wards.

Plans and descriptions of Taylor Hall, Donors' Library, Dalton Hall, the Gymnasium, the 1905 Infirmary and the six halls of residence, are published in Part 4 of the Bryn Mawr College Calendar and may be obtained from the Secretary and Registrar of the College.

Music-rooms with sound-proof walls and ceilings are provided in Pembroke Hall East. There is a club-room for non-resident students in Cartref and in Merion Hall rooms where the students can have hairdressing and dressmaking done.

The Phebe Anna Thorne Model School of the department of Education is situated on the campus and has its own school building with out-of-door classrooms and athletic ground.

A central power-house, which was erected in 1902 as part of the gift of Mr. John D. Rockefeller, furnishes heat, electric light, and hot water for all the college buildings. Steam is conducted through tunnels underground to coils in the basement of each building. Air brought in from the outside is blown through the heaters by powerful fans and distributed to the various rooms, and the system is so adjusted as to change the air completely in every room once in every ten minutes throughout the day and night. The temperature is regulated by thermostats in the heating coils and every room in the college has separate thermostatic control. The electric lights, including electric reading-lamps for each student, are installed in the most approved manner and the voltage is kept constant so that there is no fluctuation. A constant and abundant supply of hot water is laid on and maintained at a temperature of 180 degrees day and night in all the bathrooms and stationary wash-stands and tea pantries.

Telephone pay stations by means of which the students may be reached at any time are maintained in the library, gymnasium, infirmary and in each of the halls of residence. The Western Union Telegraph and Cable Company delivers telegrams between the hours of 6 A. M. and 12 P. M. Near the college there are a United States money-order office, two banks and an office of the American Railroad Express.

LIST OF DISSERTATIONS

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* Mrs. Winthrop Merton Rice.

† Died, 1905.

‡ Mrs. Herman Lommel.

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SCHEDULE OF LECTURE

Hour	Course	Monday	Tuesday
9	ELEMENTARY	Greek (Kirk) German (Schafheitlin)	Greek (Kirk) German (Schafheitlin)
	GENERAL	Psychology (Leuba)	Psychology (Leuba)
	MINOR	Greek, Plato (Sanders) French, Reading and Composition, Div. A (H. B. Smith) French, Div. B (Pardé) Spanish (De Haan) Economics, Introduction to, Div. B (—)	Greek, Homer (Wright) French Literature, Div. A (Schenck) Div. B (Pardé) Spanish (De Haan) Economics, Introduction to, Div. B (—)
	MAJOR	Mathematics, Conics (Scott) Chemistry (Brunel) Geology (Bascom)	Mathematics, Trigonometry (Scott) Chemistry (Brunel) Geology (Bascom)
	ELECTIVE	Italian (W. L. Bullock) Medieval Art (G. G. King)	Italian (W. L. Bullock) 17th and 18th Cent. Painting (Rowley)
	GRADUATE	History of the Near East (Meek) Ancient Civilization (David) Educational Psychology (—) Biology, Theoretical (Tennent) Industrial Supervision Field Work (Jeter), 8-5 Social Economy, Social Treatment (Deardorff, Additon), 9-11 Physics (Barnes)	Old Testament Literature (Meek) British Imperialism (W. R. Smith) Education (—) Advanced Harmony (Alwyne) Industrial Relations (Jeter), 9-11 Mental Tests, Field Work (Rand), 9-5
10	GENERAL	English Literature, 2nd year (Donnelly)	English Literature, 2nd year (Donnelly)
	MINOR	English, 19th Century Critics (Chew) Middle English Romance (Brown) German Grammar (Prokosch) History of Europe, Div. A (David) Ancient Architecture (—)	English, 19th Century Critics (Chew) Middle English Romances (Brown) German Literature (Prokosch) History of Europe, Div. A (David) Hellenistic Towns (—)
	MAJOR	Biology (Tennent)	Biology (Tennent)
	ELECTIVE	Philosophy, Kant to Spencer (G. de Laguna)	Philosophy, Kant to Spencer (G. de Laguna)
	POST-MAJOR	Elements of Law (Fenwick)	Modern French Literature (Schenck) Natural Resources (Bissell)
	GRADUATE	Physics (Huff) Chemistry (Brunel) Petrography (Bascom)	Physical Chemistry (Crenshaw)
11	GENERAL	English Composition, 1st year (H. B. Bullock)	English Composition, 1st year (H. B. Bullock)
	ELEMENTARY	French (H. B. Smith) Italian (W. L. Bullock)	French (H. B. Smith) Italian (W. L. Bullock)
	MINOR	Economics, Introduction to, Div. A (M. P. Smith) Philosophy, Ethics (T. de Laguna) Greek Sculpture (—)	Economics, Introduction to, Div. A (M. P. Smith) Philosophy, Ethics (T. de Laguna) Ancient Painting (Swindler)
	MAJOR	Latin, Tacitus (Wheeler) Spanish Reading (De Haan) German (Schafheitlin) History of the Renaissance (Gray) Psychology, Social Psychology (Leuba) Physics (Barnes) Chemistry (Crenshaw)	Latin Literature (Ballou) Spanish Literature (De Haan) German (Prokosch) History of the Renaissance (Gray) Psychology, Social Psychology (Leuba) Physics (Barnes) Chemistry (Crenshaw)
	ELECTIVE		Greek Religion and Myths (Wright) Statistics (Kingsbury)
	GRADUATE	Systematic Psychology (Ferree) Seminary in Social Relief (Additon, Deardorff), 11-1	
12	ELEMENTARY	Community Organization (White), 11-1, Alt. Weeks Spanish (—)	Spanish (—)
	MINOR	Latin, Cicero, Div. A (Wheeler) Div. B (Swindler) Italian (W. L. Bullock) History of Europe, Div. B (W. R. Smith) Psychology Experimental (Ferree and Rand) Italian Renaissance Painting (G. G. King) Physics (Huff)	Latin, Horace, Div. A (Swindler) Div. B (Ballou) Italian (W. L. Bullock) History of Europe, Div. B (W. R. Smith) Psychology, Experimental (Ferree and Rand) Art of the Far East (Rowley) Physics (Huff)
	MAJOR	Greek, Demosthenes (Sanders) English Drama (Chew) French Literature (Pardé) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology (Bissell) Biology (Schrader)	Greek Literature (Wright) English Drama (Chew) French Reading and Composition (Gilli) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology (Bissell) Biology (Schrader)
	ELECTIVE	Advanced History of Music (Surette, Alwyne)	
	GRADUATE	Chemistry (Brunel)	Chemistry (Brunel)

1ST SEMESTER, 1923-24.

WEDNESDAY	THURSDAY	FRIDAY
<p>Greek (Kirk) German (Schafheitlin) Psychology (Leuba) Greek, Plato (Sanders) French, Reading and Composition, Div. A (H. B. Smith) Div. B. (Pardé) Spanish (De Haan) Economics, Introduction to, Div. B (—) Mathematics, Conics (Scott) Chemistry (Brunel) Geology (Bascom) Italian (W. H. Bullock) Medieval Art (G. G. King) History of the Near East (Meek) Ancient Civilization (David) Educational Psychology (—) Social Economy Practicum (Jeter). Alt. Weeks, 9-11 Physics (Barnes)</p>	<p>Greek (Kirk) German (Schafheitlin) Psychology (Leuba) Greek, Homer (Wright) French Literature, Div. A (Schenck) Div. B (Pardé) Spanish (De Haan) Economics, Introduction to, Div. B (—) Mathematics, Trigonometry (Scott) Chemistry, Demonstration (Brunel) Geology, Demonstration (Bascom) Italian (W. H. Bullock) 17th and 18th Cent. Painting (Rowley) Old Testament Literature (Meek) British Imperialism (W. R. Smith) Education (—) Advanced Harmony (Alwyne) Seminary in Applied Psychology (Rand), 9-11 Physics Journal Club (Huff and Barnes) Biology Journal Club (Tennent, Yates, Schrader)</p>	<p>Greek (Kirk) German (Schafheitlin) Psychology (Leuba) Greek, Sophocles (Sanders) French Reading and Composition Div. A (H. B. Smith) Div. B (Pardé) Spanish (De Haan) Economics, Introduction to, Div. B (—) Mathematics, Conics (Scott) Chemistry (Brunel) Geology (Bascom) Italian (W. H. Bullock) Medieval Art (G. G. King) History of the Near East (Meek) Ancient Civilization (David) Educational Psychology (Arlett) Physical Basis of Music (Huff) Seminary in Social and Industrial Research (Kingsbury), 9-11 Physics (Barnes)</p>
<p>English Literature, 2nd year (Donnelly) English, 19th Century Critics (Chew) Middle English Romances (Brown) German Reading (Prokosch) History of Europe, Div. A (David) Ancient Architecture (—) Biology (Tennent) Philosophy, Kant to Spencer (G. de Laguna) Cosmogony (Bascom)</p>	<p>English Literature, 2nd year (Donnelly) English, 19th Century Critics (Chew) Middle English Romances (Brown) German Literature (Prokosch) History of Europe, Div. A (David) Hellenistic Towns (—) Biology, Demonstration (Tennent) Philosophy, Kant to Spencer (G. de Laguna) Modern French Literature (Schenck)</p>	<p>English Literature, 2nd year (Donnelly) English, 19th Century Critics (Chew) Middle English Romances (Brown) German Reading (Prokosch) History of Europe, Div. A (David) Ancient Architecture (—) Biology (Tennent) Philosophy, Kant to Spencer (G. de Laguna)</p>
<p>Physics (Huff) Chemistry (Brunel) Seminary in Educational Research (—), 12</p>	<p>Physical Chemistry (Crenshaw) Applied Psychology (Rand), 10-12 Petrography (Bascom)</p>	<p>Physics (Huff) Chemistry (Brunel) Petrography (Bascom)</p>
<p>English Composition, 1st year (H. B. Bullock) French (H. B. Smith) Italian (W. L. Bullock) Economics, Introduction to, Div. A (M. P. Smith) Philosophy, Ethics (T. de Laguna) Greek Sculpture (—) Latin, Tacitus (Wheeler) Spanish Grammar (De Haan) German (Schafheitlin) History of the Renaissance (Gray) Psychology, Social Psychology (Leuba) Physics (Barnes) Chemistry (Crenshaw) Mathematics (Scott) Schematic Psychology (Ferree)</p>	<p>English Composition, 1st year (H. B. Bullock) French (H. B. Smith) Italian (W. L. Bullock) Economics, Introduction to, Div. A (M. P. Smith) Philosophy, Ethics (T. de Laguna) Ancient Painting (Swindler) Latin Literature (Ballou) Spanish Literature (De Haan) German (Prokosch) History of the Renaissance (Gray) Psychology, Social Psychology (Leuba) Physics Laboratory (Barnes) Chemistry Laboratory (Crenshaw) Greek Religion and Myths (Wright) Seminary in Industrial Supervision (—), 11-1</p>	<p>English Composition, 1st year (H. B. Bullock) French (H. B. Smith) Italian (W. L. Bullock) Economics, Introduction to, Div. A (M. P. Smith) Philosophy, Ethics (T. de Laguna) Greek Sculpture (—) Latin, Tacitus (Wheeler) Spanish Reading (De Haan) German (Schafheitlin) History of the Renaissance (Gray) Psychology, Social Psychology (Leuba) Physics Laboratory (Barnes) Chemistry Laboratory (Crenshaw)</p>
<p>Spanish (—) Latin, Cicero, Div. A (Wheeler) Div. B (Swindler) Italian (W. L. Bullock) History of Europe, Div. B (W. R. Smith) Psychology, Experimental (Ferree and Rand) Italian Renaissance Painting (G. G. King) Physics (Huff) Greek, Aristophanes (Sanders) English Drama (Chew) French Literature (Pardé) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology (Bissell) Biology (Schrader) Advanced History of Music (Surette, Alwyne)</p>	<p>Spanish (—) Latin, Horace, Div. A (Swindler) Div. B (Ballou) Italian (W. L. Bullock) History of Europe, Div. B (W. R. Smith) Psychology, Experimental (Ferree and Rand) Art of the Far East (Rowley) Physics, Demonstration (Huff) Greek Literature (Wright) English Drama (Chew) French Reading and Composition (Gilli) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology Laboratory (Bissell) Biology (Schrader) Chemistry Journal Club (Brunel and Crenshaw)</p>	<p>Spanish (—) Latin, Cicero, Div. A (Wheeler) Div. B (Swindler) Italian (Bullock) History of Europe, Div. B (W. R. Smith) Psychology, Experimental (Ferree and Rand) Italian Renaissance Painting (G. G. King) Physics (Huff) Greek, Demosthenes (Sanders) English Drama (Chew) French Literature (Pardé) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology Laboratory (Bissell) Biology (Schrader) Advanced History of Music (Surette, Alwyne)</p>

SCHEDULE OF LECTURES

Hour	Course	Monday	Tuesday
2	LABORATORY WORK	Psychology, Minor (Ferree and Rand) Educational Psychology (—) Physics, Minor (Huff) Chemistry, Major (Crenshaw) Geology, Major, Field Work (Bissell) Biology, Minor (Tennent)	Psychology, Minor (Ferree and Rand) Physics, Minor (Huff) Chemistry, Major (Crenshaw) Geology, Major (Bissell) Biology, Minor (Tennent)
	ELECTIVE	Hebrew Prophets (Meek) Psychology of Childhood (—) Harmony (Alwyne)	Hebrew Prophets (Meek) Psychology of Childhood (—)
	POST-MAJOR	Greek, Æschylus (Sanders) French, Social Ideals (Pardé) Economics and Politics, American Economic Problems (M. P. Smith) Renaissance Sculpture (G. G. King) Mathematics (Pell)	Greek, Æschylus (Sanders) French, Social Ideals (Pardé) Economics and Politics, American Economic Problems (M. P. Smith) Applied Sociology (Deardorff) Renaissance Sculpture (G. G. King) Mathematics (Pell)
	GRADUATE	Seminary in Old English (Brown), 2.30-4.30 Italian Seminary (Bullock), 2-4 Seminary in Community Organization Practicum (Kingsbury and Deardorff), 2-4	Advanced Romance Philology (Gilli) Seminary in Municipal Government (—) Advanced Social Statistics (—) Seminary in History of Philosophy (G. Laguna), 2-4 Intelligence Tests (—), 2-4
3	LABORATORY WORK	Psychology, Minor (Ferree and Rand) Educational Psychology (—) Physics, Minor (Huff) Chemistry, Major (Crenshaw) Geology, Major, Field Work (Bissell) Biology, Minor (Tennent)	Psychology, Minor (Ferree and Rand) Physics, Minor (Huff) Chemistry, Major (Crenshaw) Geology, Major (Bissell) Biology, Minor (Tennent)
	ELECTIVE	Elocution, Reading of Shakespeare (S. A. King)	Elocution, Reading of Shakespeare (S. A. King) Advanced Experimental Psychology (Ferree)
	POST-MAJOR	History and Appreciation of Music (Surette, Alwyne) Greek, Theocritus (Wright) Latin, Lucretius and Catullus (Ballou) Advanced French Composition (Gilli)	History and Appreciation of Music (Surette, Alwyne) Latin, Lucretius and Catullus (Ballou) Advanced French Composition (Gilli)
	GRADUATE	History, Colonization of America (W. R. Smith) Mathematics (Scott) Seminary in Modern French Literature (Schenek) Germanic Seminary (Prokosch), 3-5 Psychology Journal Club (Leuba, Ferree and Rand) Seminary in Mediæval Art (G. G. King), 3-5	History, Colonization of America (W. R. Smith) Mathematics (Scott) Greek Seminary, Greek Historians (Sand), 3-4.30 Seminary in English Literature (Chapman), 3-4.30 Seminary in Research in Labour Problems (Jeter)
4	GRADUATE	Latin Seminary, Roman Historiography (Ballou), 4-6 Seminary in Mediæval French Literature (Gilli), 4-6 Elementary Semitic Languages (Barton) History Journal Club (Gray, W. R. Smith, David), 4-6. Alternate Weeks Economics Journal Club (M. P. Smith, Fenwick), 4-6. Alternate Weeks Psychology Seminary (Leuba), 4-6 Orchestration (Alwyne), 4-6 Seminary in Zoology (Tennent), 4.30-6	Greek Journal Club (Sanders and Wright), 4.30-6. Alternate Weeks Latin Journal Club (Wheeler, Ballou, Swindler), 4.30-6. Alternate Weeks Middle English Seminary (Brown), 4.30-6 Romance Languages Journal Club (Scheffer, Gilli, Pardé, H. B. Smith, W. L. Bull, De Haan), 4.30-6. Alternate Weeks Semitic History Seminary (Meek) Seminary in European History (Gray), 4-6 Seminary in Politics (Fenwick), 4-6 Seminary in the Family (Deardorff), 4-6 Seminary in Social Philosophy (T. de Laguna), 4-6 Seminary in Music (Alwyne), 4-6 Mathematical Journal Club (Scott and Ives), 4-6. Alternate Weeks Seminary in Physiology (Yates), 4.30-6
5	GRADUATE		

FIRST SEMESTER, 1923-24 (continued).

WEDNESDAY	THURSDAY	FRIDAY
<p>Psychology of Childhood (—)</p> <p>Harmony (Alwyne)</p> <p>Social Institutions of the Hebrews (Meek)</p> <p>Greek, Sophocles (Sanders)</p> <p>Latin Composition (Ballou)</p> <p>French, Masterpieces of French Literature (Pardé)</p> <p>Economics and Politics, American Economic Problems (M. P. Smith)</p> <p>Applied Sociology (Deardorff)</p> <p>Renaissance Sculpture (G. G. King)</p> <p>Mathematics (Pell)</p> <p>Biology, Embryology (Tennent)</p> <p>Advanced Old French Philology (Gilli)</p> <p>Archæology Seminary (—), 2-4</p> <p>Geology Journal Club (Bascom and Bissell), 2.15-4.15. Alternate Weeks</p>	<p>Physics, Major (Barnes)</p> <p>Chemistry, Minor (Brunel)</p> <p>Geology, Minor (Bascom)</p> <p>Biology, Major (Schrader)</p> <p>History of Education (—)</p> <p>Criticism (Crandall)</p> <p>French Short Story (Schenck)</p> <p>Economics and Politics, International Law (Fenwick)</p> <p>Renaissance Architecture (Rowley)</p> <p>Elementary Semitic Languages (Meek), 2-4</p> <p>Seminary in European History (Gray)</p> <p>Seminary in Ægean Archaeology (Swindler), 2-4</p>	<p>Physics, Major (Barnes)</p> <p>Chemistry, Minor (Brunel)</p> <p>Geology, Minor (Bascom)</p> <p>Biology, Major (Schrader)</p> <p>History of Education (—)</p> <p>French Short Story (Schenck)</p> <p>Economics and Politics, International Law (Fenwick)</p> <p>Renaissance Architecture (Rowley)</p> <p>Greek Seminary, Plato (Wright), 2-4</p> <p>Romance Philology (Gilli)</p> <p>Seminary in Labour Organization (Jeter), 2-4</p>
<p>Argumentation (Crandall)</p> <p>History and Appreciation of Music (Surette, Alwyne)</p> <p>Greek, Theocritus (W. C. Wright)</p> <p>Latin, Lucretius and Catullus (Ballou)</p> <p>England under the Tudors (Gray)</p> <p>Geology, Physiology (Yates)</p> <p>Anglo-French (Gilli)</p> <p>Middle High German (Prokosch)</p> <p>Seminary in Politics (Fenwick)</p> <p>Seminary in Siennese Painting (Rowley), 4-6</p> <p>Seminary in Mathematics (Scott), 3.30-5.30</p>	<p>Physics, Major (Barnes)</p> <p>Chemistry, Minor (Brunel)</p> <p>Geology, Minor (Bascom)</p> <p>Biology, Major (Schrader)</p> <p>Daily Themes (Crandall)</p> <p>Roman Satire (Wheeler)</p> <p>Spanish (De Haan)</p> <p>England under the Tudors (Gray)</p> <p>Greek Seminary Greek Historians (Sanders), 3-4.30</p> <p>Seminary in English Literature (Chew), 3-4.30</p> <p>French Literature (Pardé), 3-5</p> <p>Philosophical Journal Club (T. de Laguna and G. de Laguna), 3-4.30</p> <p>Seminary in Educational Psychology (—), 3-5</p> <p>Mathematics Seminary (Pell), 3.30-5.30</p>	<p>Physics, Major (Barnes)</p> <p>Chemistry, Minor (Brunel)</p> <p>Geology, Minor (Bascom)</p> <p>Biology, Major (Schrader)</p> <p>Roman Satire (Wheeler)</p> <p>Spanish (De Haan)</p> <p>England under the Tudors (Gray)</p> <p>English Journal Club (Brown, Donnelly, Chew, Crandall and —), 3-4.30. Alternate Weeks</p> <p>Middle High German (Prokosch)</p> <p>Archæological Journal Club (Swindler), 3-4.30. Alternate Weeks</p>
<p>Latin Seminary, Roman Elegy (Wheeler), 4.30-6</p> <p>Seminary in English Composition (Crandall), 4-6</p> <p>Seminary in Modern French Literature (Schenck), 4-6</p> <p>Spanish Seminary (De Haan), 4-6</p> <p>Seminary in History of Religions (Meek)</p> <p>Seminary in American History (W. R. Smith), 4-6</p> <p>Seminary in Races and Peoples (Deardorff), 4-6</p> <p>Seminary in Ethics (T. de Laguna), 4-6</p> <p>Mon and Fugue (Alwyne), 4-6</p> <p>Seminary in Zoölogy (Tennent), 4.30-6</p>	<p>Middle English Seminary (Brown), 4.30-6</p> <p>Seminary in German Literature (Schafheitlin), 4-6</p> <p>Old French Philology (Gilli), 4.30-6</p> <p>Seminary in Hebrew (Meek), 4-6</p> <p>Historical Bibliography (David)</p> <p>Seminary in Municipal Government (—), 4-6</p> <p>Education Journal Club (—), 4.30-6</p> <p>Journal Club in History of Art (G. G. King and Rowley), 4.30-6. Alternate Weeks</p> <p>Seminary in Physiology (Yates), 4.30-6</p>	<p>Latin Seminary Roman Elegy (Wheeler), 4.30-6</p> <p>Gothic (Prokosch), 4.30-6</p> <p>Seminary in History of Eng. and (David), 4-6</p> <p>Seminary in Economics (M. P. Smith), 4-6</p> <p>Seminary in Educational Methods (—), 4-6</p>

SCHEDULE OF LECTURES

Hour	COURSE	MONDAY	TUESDAY
9	ELEMENTARY	Greek (Kirk) German (Schafheitlin)	Greek (Kirk) German (Schafheitlin)
	GENERAL	Philosophy (T. de Laguna, G. de Laguna)	Philosophy (T. de Laguna, G. de Laguna)
	MINOR	Greek, Euripides (Sanders) French, 19th Century Literature, Div. A. (Pardé) Div. B. (Schenck)	Greek, Homer (Wright) French Reading and Composition, Div. A. (Pardé) Div. B. (H. B. Smith)
	MAJOR	Spanish (De Haan) Introduction to Government and Politics Div. B. (Fenwick)	Spanish (De Haan) Introduction to Government and Politics Div. B. (Fenwick)
	ELECTIVE	Mathematics, Calculus (Pell) Chemistry (Crenshaw) Geology (Bissell)	Mathematics, Algebra (Pell) Chemistry Laboratory (Crenshaw) Geology Laboratory (Bissell)
	GRADUATE	Italian (W. L. Bullock) Mediaeval Art, Gothic (Rowley) History of the Near East (Meek) Ancient Civilization (David) Educational Psychology (—) Biology, Theoretical (Tennent)	Italian (W. L. Bullock) Modern Painting (G. G. King) Old Testament Literature (Meek) British Imperialism (W. R. Smith) Education (—) Advanced Harmony (Alwyne)
10	GENERAL	Industrial Supervision Field Work (Jeter), 8-5 Social Economy, Social Treatment (Deardorff, Additon), 9-11 Physics (Huff)	Industrial Relations (Jeter), 9-11 Mental Tests, Field Work (Rand), 9-5
	MINOR	English Composition, 2nd year (H. B. Bullock)	English Composition, 2nd year (H. B. Bullock)
	MAJOR	English Poetry (Donnelly) German Grammar (Prokosch) History of Europe from 1789, Div. A (Gray) Ancient Architecture (—) Biology Laboratory (Schrader)	English Poetry (Donnelly) German Literature (Prokosch) History of Europe from 1789, Div. A (Gray) Ancient Rome (Swindler) Biology Laboratory (Schrader)
	ELECTIVE	Recent Philosophical Tendencies (T. de Laguna)	Recent Philosophical Tendencies (T. de Laguna)
	POST-MAJOR	Elements of Law (Fenwick)	Modern French Literature (Schenck) Natural Resources (Bissell)
	GRADUATE	Physics (Huff) Chemistry (Brunel)	Physical Chemistry (Crenshaw)
11	GENERAL	Petrography (Bascom)	
	ELEMENTARY	English Literature, 1st year (Donnelly)	English Literature, 1st year (Donnelly)
	MINOR	French (H. B. Smith) Italian (W. L. Bullock) Introduction to Government and Politics, Div. A (—) History of Philosophy (G. de Laguna) Greek Sculpture (—)	French (H. B. Smith) Italian (W. L. Bullock) Introduction to Government and Politics, Div. A (—) History of Philosophy (G. de Laguna) Archæology, Minor Arts (—)
	MAJOR	Latin Comedy (Wheeler) Spanish Reading (De Haan) German (Schafheitlin) History of the U. S. (W. R. Smith) Psychology, Applied (Rand) Physics (Huff) Chemistry (Brunel)	Latin Literature (Ballou) Spanish Literature (De Haan) German (Prokosch) History of the U. S. (W. R. Smith) Psychology, Applied (Rand) Physics (Huff) Chemistry (Brunel)
	ELECTIVE	Seminary in Social Relief (Deardorff, Additon), 11-1	Greek Religion (Wright) Statistics (Kingsbury)
	GRADUATE	Systematic Psychology (Ferree) Community Organization (White), 11-1, Alt. Weeks	
12	ELEMENTARY	Spanish (—)	Spanish (—)
	MINOR	Latin, Terence, Div. A (Swindler) Div. B (Wheeler) Italian (W. L. Bullock) History of Europe from 1789, Div. B (David) Psychology of Instinct and Emotion (Leuha) Italian Renaissance Painting (G. G. King) Physics (Barnes)	Latin, Horace, Div. A (Ballou) Div. B. (Swindler) Italian (W. L. Bullock) History of Europe from 1789, Div. B (David) Psychology of Instinct and Emotion (Leut) Art of the Far East (Rowley) Physics Laboratory (Barnes)
	MAJOR	Greek, Thucydides (Sanders) Middle English Poetry (Brown) English Literature from Dryden to Johnson (Chew) French Literature (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Geology (Bascom) Biology (Yates)	Greek Literature (W. C. Wright) Middle English Poetry (Brown) English Literature from Dryden to Johnson (Chew) French Reading and Composition (Gilli) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Geology (Bascom) Biology (Yates)
	ELECTIVE	Advanced History of Music (Surette, Alwyne)	
	GRADUATE	Chemistry (Brunel)	Chemistry (Brunel)

WEDNESDAY	THURSDAY	FRIDAY
<p>Greek (Kirk) German (Schafheitlin)</p> <p>Philosophy (T. de Laguna, G. de Laguna)</p> <p>Greek, Euripides (Sanders) French, 19th Century Literature, Div. A (Pardé) Div. B (Schenck)</p> <p>Spanish (De Haan) Introduction to Government and Politics, Div. B (Fenwick) Mathematics, Calculus (Pell) Chemistry (Crenshaw) Geology (Bissell)</p> <p>Italian (W. L. Bullock) Mediaeval Art, Gothic (Rowley)</p> <p>History of the Near East (Meek) Ancient Civilization (David) Educational Psychology (—)</p> <p>Physical Economy Practicum (Jeter). Alt. Weeks, 9-11</p> <p>Physics (Barnes)</p>	<p>Greek (Kirk) German (Schafheitlin)</p> <p>Philosophy (T. de Laguna, G. de Laguna)</p> <p>Greek, Homer (Wright) French, Reading and Composition, Div. A (Pardé) Div. B (H. B. Smith)</p> <p>Spanish (De Haan) Introduction to Government and Politics, Div. B (Fenwick) Mathematics, Algebra (Pell) Chemistry, Demonstration (Crenshaw) Geology, Demonstration (Bissell)</p> <p>Italian (W. L. Bullock) Modern Painting (G. G. King)</p> <p>Old Testament Literature (Meek) British Imperialism (W. R. Smith) Education (—) Advanced Harmony (Alwyne)</p> <p>Seminary in Applied Psychology (Rand), 9-11 Physics Journal Club (Huff and Barnes)</p> <p>Biology Journal Club (Tennent, Yates and Schrader)</p>	<p>Greek (Kirk) German (Schafheitlin)</p> <p>Philosophy (T. de Laguna, G. de Laguna)</p> <p>Greek, Herodotus (Sanders) French, 19th Century Literature, Div. A (Pardé) Div. B (Schenck)</p> <p>Spanish (De Haan) Introduction to Government and Politics, Div. B (Fenwick) Mathematics, Calculus (Pell) Chemistry (Crenshaw) Geology (Bissell)</p> <p>Italian (W. L. Bullock) Mediaeval Art, Gothic (Rowley)</p> <p>History of the Near East (Meek) Ancient Civilization (David) Educational Psychology (—) Physical Basis of Music (Huff)</p> <p>Seminary in Social and Industrial Research (Kingsbury)</p> <p>Physics (Barnes)</p>
<p>English Composition, 2nd year (H. B. Bul- lock)</p> <p>English Poetry (Donnelly) German Reading (Prokosch) History of Europe from 1789, Div. A (Gray) Ancient Architecture (—) Biology (Schrader)</p> <p>Recent Philosophical Tendencies (T. de Laguna)</p> <p>Modern French Literature (Schenck) Natural Resources (Bissell)</p> <p>Physical Chemistry (Crenshaw)</p> <p>Seminary in Educational Research (—), 1-12 Petrography (Bascom)</p>	<p>English Composition, 2nd year (H. B. Bul- lock)</p> <p>English Poetry (Donnelly) German Literature (Prokosch) History of Europe from 1789, Div. A (Gray) Ancient Rome (Swindler) Biology (Schrader)</p> <p>Recent Philosophical Tendencies (T. de Laguna)</p> <p>Modern French Literature (Schenck) Natural Resources (Bissell)</p> <p>Physical Chemistry (Crenshaw)</p>	<p>English Composition, 2nd year H. B. Bul- lock)</p> <p>English Poetry (Donnelly) German Reading (Prokosch) History of Europe from 1789, Div. A (Gray) Egypt and Crete (—) Biology (Schrader)</p> <p>Recent Philosophical Tendencies (T. de Laguna)</p> <p>Physics (Huff) Chemistry (Brunel)</p> <p>Petrography (Bascom)</p>
<p>English Literature, 1st year (Donnelly)</p> <p>French (H. B. Smith) Italian (W. L. Bullock) Introduction to Government and Politics, Div. A (—) History of Philosophy (G. de Laguna) Greek Sculpture (—)</p> <p>Latin Comedy (Wheeler) Spanish Grammar (De Haan) German (Schafheitlin) History of the U. S. (W. R. Smith) Psychology, Applied (Rand) Physics (Huff) Chemistry (Brunel)</p> <p>Mathematics (Scott)</p> <p>Systematic Psychology (Ferree)</p>	<p>English Literature, 1st year (Donnelly)</p> <p>French (H. B. Smith) Italian (W. L. Bullock) Introduction to Government and Politics, Div. A (—) History of Philosophy (G. de Laguna) Archaeology, Minor Arts (—)</p> <p>Latin Literature (Ballou) Spanish Literature (De Haan) German (Prokosch) History of the U. S. (W. R. Smith) Psychology, Applied (Rand) Physics Laboratory (Huff) Chemistry Laboratory (Brunel)</p> <p>Greek Religion (Wright)</p>	<p>English Literature, 1st year (Donnelly)</p> <p>French (H. B. Smith) Italian (W. L. Bullock) Introduction to Government and Politics, Div. A (—) History of Philosophy (G. de Laguna) Greek Sculpture (—)</p> <p>Latin Comedy (Wheeler) Spanish Reading (De Haan) German (Schafheitlin) History of the U. S. (W. R. Smith) Psychology, Applied (Rand) Physics Laboratory (Huff) Chemistry Laboratory (Brunel)</p> <p>Systematic Psychology (Ferree)</p>
<p>Spanish (—)</p> <p>Latin, Terence, Div. A (Swindler) Div. B (Wheeler) Italian (W. L. Bullock) History of Europe from 1789, Div. B (David) Psychology of Instinct and Emotion (Leuba) A Renaissance Painting (G. G. King) Physics (Barnes)</p> <p>Greek, Sophocles (Sanders) Middle English Poetry (Brown) English Literature from Dryden to Johnson (Chew) French Literature (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Geology (Bascom) Biology (Yates)</p> <p>Advanced History of Music (Surette, Alwyne)</p>	<p>Spanish (—)</p> <p>Latin, Horace, Div. A (Ballou) Div. B (Swindler) Italian (W. L. Bullock) History of Europe from 1789, Div. B (David) Psychology of Instinct and Emotion (Leuba) Art of the Far East (Rowley) Physics, Demonstration (Barnes)</p> <p>Greek Literature (W. C. Wright) Middle English Poetry (Brown) English Literature from Dryden to Johnson (Chew) French, Reading and Composition (Gilli) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Geology Laboratory (Bascom) Biology Laboratory (Yates)</p> <p>Chemistry Journal Club (Brunel and Crenshaw)</p>	<p>Spanish (—)</p> <p>Latin, Terence, Div. A (Swindler) Div. B (Wheeler) Italian (W. L. Bullock) History of Europe from 1789, Div. B (David) Psychology of Instinct and Emotion (Leuba) Italian Renaissance Painting (G. G. King) Physics (Barnes)</p> <p>Greek, Thucydides (Sanders) Middle English Poetry (Brown) English Literature from Dryden to Johnson (Chew) French Literature (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Geology Laboratory (Bascom) Biology Laboratory (Yates)</p> <p>Advanced History of Music (Surette, Alwyne)</p>

SCHEDULE OF LECTURES

Hour	Course	Monday	Tuesday
2	LABORATORY WORK	Educational Psychology (—) Physics, Minor (Barnes) Chemistry, Major (Brunel) Geology, Major, Field Work (Bascom) Biology, Minor (Schrader)	Physics, Minor (Barnes) Chemistry, Major (Brunel) Geology, Major (Bascom) Biology, Minor (Schrader)
	ELECTIVE	Hebrew Prophets (Meek) Psychology of Childhood (—) Harmony (Alwyne)	Hebrew Prophets (Meek) Psychology of Childhood (—)
	POST-MAJOR	Greek, Rhetoricians (Sanders) French Social Ideals (Pardé)	Greek, Bacchylides (Sanders) French Social Ideals (Pardé)
	GRADUATE	Economics and Politics, American Economic Problems (M. P. Smith) Renaissance Sculpture (G. G. King) Mathematics (Pell) Seminary in Old English (Brown), 2.30-4.30 Italian Seminary (Bullock), 2-4 Seminary in Community Organization Practicum (Kingsbury, Deardorff), 2-4	Economics and Politics, American Economic Problems (M. P. Smith) Applied Sociology (Deardorff) Renaissance Sculpture (G. G. King) Mathematics (Pell) Advanced Romance Philology (Gilli) Seminary in Municipal Government Advanced Social Statistics (—) Seminary in History of Philosophy (Laguna), 2-4 Intelligence Tests (—), 2-4
3	LABORATORY WORK	Educational Psychology (—) Physics, Minor (Barnes) Chemistry, Major (Brunel) Geology, Major, Field Work (Bascom) Biology, Minor (Schrader)	Physics, Minor (Barnes) Chemistry, Major (Brunel) Geology, Major (Bascom) Biology, Minor (Schrader)
	ELECTIVE	Elocution, Reading of Shakespeare (S. A. King) History and Appreciation of Music (Surette, Alwyne)	Elocution, Reading of Shakespeare (S. A. King) Advanced Experimental Psychology (F. King) History and Appreciation of Music (Surette, Alwyne)
	POST-MAJOR	Greek, Lucian (W. C. Wright) Latin, The Latin Essay (Ballou) Advanced French Composition (Gilli) History, Colonization of America (W. R. Smith) Mathematics (Scott)	Latin, The Latin Essay (Ballou) Advanced French Composition (Gilli) Spanish (—) History, Colonization of America (W. R. Smith) Mathematics (Scott)
	GRADUATE	Germanic Seminary (Prokosch), 3-5 Seminary in Modern French Literature (Schenck) Psychology Journal Club (Leuba, Ferree and Rand) Seminary in Medieval Arts (G. G. King), 3-5	Greek Seminary Greek Historians (Sanders), 3-4.30 Seminary in English Literature (G. G. King), 3-4.30 Seminary in Research in Labour Problems (Jeter)
4	GRADUATE	Latin Seminary, Roman Historiography (Ballou) Seminary in Medieval French Literature (Gilli), 4-6 Elementary Semitic Languages (Barton) History Journal Club (Gray, W. R. Smith, and David), 4-6. Alternate Weeks Economics Journal Club (Marion P. Smith, Fenwick), 4-6. Alternate Weeks Psychology Seminary (Leuba), 4-6 Orchestration (Alwyne), 4-6 Seminary in Zoology (Tennent), 4.30-6	Greek Journal Club (Sanders and Wright), 4.30-6. Alternate Weeks Latin Journal Club (Wheeler, Ballou, and Fenwick), 4.30-6. Alternate Weeks Middle English Seminary (Brown), 4-6 Romance Languages Journal Club (Scott, Gilli, Pardé, H. B. Smith, W. L. B. De Haan), 4.30-6. Alternate Weeks Semitic History Seminary (Meek) Seminary in European History (Gray) Seminary in Politics (Fenwick), 4-6 Seminary in Social Psychology (Leuba) Mathematical Journal Club (Scott and Alwyne), 4-6 Seminary in the Family (Deardorff), 4-6 Seminary in Music (Alwyne), 4-6 Seminary in Physiology (Yates), 4.30-6
5	GRADUATE		

COND SEMESTER, 1923-24 (continued.)

WEDNESDAY	THURSDAY	FRIDAY
Chemistry, Major (Brunel)	Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Minor (Crenshaw) Geology, Minor (Bissell) Biology, Major (Yates)	Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Minor (Crenshaw) Geology, Minor (Bissell) Biology, Major (Yates)
Religious Institutions of the Hebrews (Meek) Psychology of Childhood (—) Harmony (Alwyne) Meek, Euripides (Sanders) Latin, Composition (Ballou) French, Masterpieces of French Literature (Pardé)	History of Education (—) French Short Story (Schenck)	History of Education (—) French Short Story (Schenck)
Economics and Politics, American Economic Problems (M. P. Smith) Applied Sociology (Deardorff) Renaissance Sculpture (G. G. King) Mathematics (Pell) Biology, Embryology (Tennent) Advanced Old French Philology (Gilli) Archæology Seminary (—), 2-4 Zoology Journal Club (Bascom and Bissell), 2.15-4.15. Alternate Weeks	Economics and Politics, International Law (Fenwick) Renaissance Architecture (Rowley) Elementary Semitic Languages (Meek), 2-4 Seminary in European History (Gray) Ancient Painting (Swindler)	Economics and Politics, International Law (Fenwick) Renaissance Architecture (Rowley) Greek Seminary, Plato (Wright), 2-4 Romance Philology (Gilli) Seminary in Labour Organization (Jeter), 2-4
Chemistry, Major (Brunel)	Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Minor (Crenshaw) Geology, Minor (Bissell) Biology, Major (Yates)	Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Minor (Crenshaw) Geology, Minor (Bissell) Biology, Major (Yates)
Argumentation (Crandall) History and Appreciation of Music (Surette, Alwyne)	Criticism (Crandall) Roman Satire (Wheeler)	Roman Satire (Wheeler)
Meek, Lucian (W. C. Wright) Latin, The Latin Essay (Ballou) Historical French Grammar (Gilli) England under the Tudors (Gray) Zoology, Physiology (Yates)	Spanish (De Haan) England Under the Tudors (Gray) Greek Seminary, Greek Historians (Sanders), 3-4.30 Seminary in English Literature (Chew), 3-4.30 French Literature (Pardé), 3-5 Philosophical Journal Club (T. de Laguna and G. de Laguna), 3-4.30 Mathematics Seminary (Pell) 3.30-5.30 Seminary in Educational Psychology (—) 3-5	Spanish (De Haan) England Under the Tudors (Gray) English Journal Club (Brown, Donnelly, Chew, Crandall and —), 3-4.30 Alternate Weeks Middle High German (Prokosch) Archæological Journal Club (— and Swindler), 3-4.30. Alternate Weeks
Seminary in Roman Elegy (Wheeler), 4.30-6 Seminary in English Composition (Crandall), 4-6 Seminary in Modern French Literature (Schenck), 4-6 Latin Seminary (De Haan) Old Norse (Prokosch), 4.30-6 Seminary in History of Religions (Meek) Seminary in American History (W. R. Smith), 4-6 Seminary in Races and Peoples (Deardorff), 4-6 Seminary in Ethics (T. de Laguna), 4-6 Son and Fugue (Alwyne), 4-6 Seminary in Zoology (Tennent), 4.30-6	Middle English Seminary (Brown), 4.30-6 Seminary in German Literature (Schaffheitlin), 4-6 Old French Philology (Gilli), 4.30-6 Seminary in Hebrew (Meek), 4-6 Historical Bibliography (David) Seminary in Municipal Government (—), 4-6 Journal Club in History of Art (G. G. King and Rowley), 4.30-6. Alternate Weeks. Education Journal Club (—), 4.30-6 Seminary in Physiology (Yates), 4.30-6	Latin Seminary, Roman Elegy (Wheeler), 4.30-6 Old Norse (Prokosch), 4.30-6 Seminary in History of England (David), 4-6 Seminary in Economics (M. P. Smith), 4-6 Seminary in Petrology (Bascom), 4.30-6 Seminary in Educational Methods (—), 4-6

BRYN MAWR COLLEGE

CALENDAR

UNDERGRADUATE AND GRADUATE
COURSES

1923

BRYN MAWR, PENNSYLVANIA.

Published by Bryn Mawr College.

Vol. XVI. Part 3. May, 1923.

Entered as second-class matter, March 23rd, 1908, at the post-office, Bryn Mawr, Pennsylvania, under Act of July 16th, 1894.

Printed by The John C. Winston Co.,
Philadelphia, Pa.

BRYN MAWR COLLEGE CALENDAR.

1923.

- PART 1. Announcement of Carola Woerishoffer Department.
- PART 2. Graduate Courses.
- PART 3. Undergraduate and Graduate Courses.
- PART 4. Academic Buildings and Halls of Residence,
Plans and Descriptions.

COLLEGE CALENDAR

1923.														1924.														1925.													
JANUARY							JULY							JANUARY							JULY							JANUARY													
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S							
1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7							
7	8	9	10	11	12	13	8	9	10	11	12	13	14	6	7	8	9	10	11	12	6	7	8	9	10	11	12	4	5	6	7	8	9	10							
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28	29	30	31				29	30	31					27	28	29	30	31			27	28	29	30	31			25	26	27	28	29	30	31							
FEBRUARY							AUGUST							FEBRUARY							AUGUST							FEBRUARY													
4	5	6	7	1	2	3	5	6	7	8	9	10	11	3	4	5	6	7	8	9	3	4	5	6	7	8	9	1	2	3	4	5	6	7							
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25	26	27	28				26	27	28	29	30	31		24	25	26	27	28	29		31	25	26	27	28	29	30														
MARCH							SEPTEMBER							MARCH							SEPTEMBER							MARCH													
4	5	6	7	8	9	10	2	3	4	5	6	7	8	2	3	4	5	6	7	8	7	8	9	10	11	12	13	8	9	10	11	12	13	14							
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25	26	27	28	29	30	31	30	31	24	25	26	27	28	29	23	24	25	26	27	28	29	28	29	30																	
APRIL							OCTOBER							APRIL							OCTOBER							APRIL													
1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7							
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29	30						28	29	30	31				27	28	29	30			26	27	28	29	30	31		26	27	28	29	30										
MAY							NOVEMBER							MAY							NOVEMBER							MAY													
6	7	8	9	1	2	3	4	5	6	7	8	9	10	2	3	4	5	6	7	8	2	3	4	5	6	7	8	3	4	5	6	7	8	9							
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JUNE							DECEMBER							JUNE							DECEMBER							JUNE													
3	4	5	6	7	8	9	2	3	4	5	6	7	8	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7							
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24	25	26	27	28	29	30	23	24	25	26	27	28	29	29	30	31					28	29	30	31			28	29	30												

The academic year will close with the Conferring of Degrees at eleven o'clock, on June 5, 1924.

ACADEMIC YEAR, 1923-24.

September 24th.	Matriculation examinations begin.
October 1st.	Registration of students. Halls of Residence open for students at three p. m.
October 2nd.	Registration of students. Matriculation examinations end.
October 3rd.	The work of the thirty-ninth academic year begins at a quarter to nine o'clock.
October 4th.	Examinations for advanced standing begin.
October 6th.	Language examinations for undergraduates taking Annual language.
October 13th.	Examination in French for Seniors. Language examinations for Juniors. M.A. Language examinations.
October 20th.	Examination in German for Seniors.
October 25th.	Examinations for advanced standing end.
November 19th.	Collegiate and matriculation condition examinations begin.
November 24th.	M.A. Language examinations.
November 27th.	Collegiate and matriculation condition examinations end.
November 28th.	Thanksgiving vacation begins at one o'clock.
December 3rd.	Thanksgiving vacation ends at nine o'clock.
December 8th.	Senior examination in French. Ph.D. Language examinations.
December 15th.	Senior examination in German.
December 20th.	Christmas vacation begins at one o'clock.
January 5th.	Christmas vacation ends at nine o'clock. Lectures given on Saturday.
January 22nd.	Ph.D. Language examinations.
January 23rd.	Half-yearly collegiate examinations begin.
February 2nd.	Collegiate examinations end. Annual meeting of the Alumnæ Association.
February 4th.	Vacation.
February 5th.	Vacation.
February 6th.	The work of the second semester begins at a quarter to nine o'clock.
February 7th.	Examinations for advanced standing begin.
February 29th.	Examinations for advanced standing end.
March 8th.	Senior examination in French.
March 15th.	Senior examination in German.
March 17th.	Collegiate and matriculation condition examinations begin.
March 19th.	Mid-semester examination in matriculation Greek.
March 21st.	Announcement of European Fellowships.
March 25th.	Collegiate and matriculation condition examinations end.

March 26th.	Spring vacation begins at one o'clock.
April 2nd.	Spring vacation ends at nine o'clock.
April 5th.	Ph.D. Language examinations.
April 18th.	Good Friday. Vacation.
May 10th.	Examinations in French and German for Seniors.
	Examination in French for Juniors.
May 17th.	Examination in German for Juniors.
May 20th.	Vacation.
May 21st.	Collegiate examinations begin.
May 27th.	Matriculation examinations begin.
May 31st.	Collegiate examinations end.
June 3rd.	Matriculation examinations end.
June 5th.	Conferring of degrees and close of thirty-ninth academic year.

ACADEMIC YEAR, 1924-25.

September 22nd.	Matriculation examinations begin.
September 29th.	Registration of students. Halls of Residence open for students at three p. m.
September 30th.	Registration of students.
	Matriculation examinations end.
October 1st.	The work of the fortieth academic year begins at a quarter to nine o'clock.
October 2nd.	Examinations for advanced standing begin.
October 4th.	Language examinations for undergraduates taking Annual language.
October 11th.	Examination in French for Seniors.
	Language examinations for Juniors.
	M.A. Language examinations.
October 18th.	Examination in German for Seniors.
October 23rd.	Examinations for advanced standing end.
November 17th.	Collegiate and matriculation condition examinations begin.
November 22nd.	M.A. Language examinations.
November 25th.	Collegiate and matriculation condition examinations end.
November 26th.	Thanksgiving vacation begins at one o'clock.
December 1st.	Thanksgiving vacation ends at nine o'clock.
December 6th.	Senior examination in French.
	Ph.D. Language examinations.
December 13th.	Senior examination in German.
December 20th.	Christmas vacation begins at one o'clock.
January 6th.	Christmas vacation ends at nine o'clock.
January 20th.	Ph.D. Language examinations.
January 21st.	Half-yearly collegiate examinations begin.
January 31st.	Collegiate examinations end.
	Annual meeting of the Alumnæ Association.

February 2nd.	Vacation.
February 3rd.	Vacation.
February 4th.	The work of the second semester begins at a quarter to nine o'clock.
February 5th.	Examinations for advanced standing begin.
February 26th.	Examinations for advanced standing end.
March 14th.	Senior examination in French.
March 16th.	Collegiate and matriculation condition examinations begin.
March 18th.	Mid-semester examination in matriculation Greek.
March 20th.	Announcement of European Fellowships.
March 21st.	Senior examination in German.
March 24th.	Collegiate and matriculation condition examinations end.
March 25th.	Spring vacation begins at one o'clock.
April 1st.	Spring vacation ends at nine o'clock.
April 4th.	Ph.D. Language examinations.
April 10th.	Good Friday. Vacation.
May 9th.	Examinations in French and German for Seniors.
	Examination in French for Juniors.
May 16th.	Examination in German for Juniors.
May 19th.	Vacation.
May 20th.	Collegiate examinations begin.
May 26th.	Matriculation examinations begin.
May 30th.	Collegiate examinations end.
June 2nd.	Matriculation examinations end.
June 4th.	Conferring of degrees and close of fortieth academic year.

ACADEMIC YEAR, 1925-26.

September 21st.	Matriculation examinations begin.
September 28th.	Registration of students. Halls of Residence open for students at three p. m.
September 29th.	Registration of students.
	Matriculation examinations end.
September 30th.	The work of the forty-first academic year begins at a quarter to nine o'clock.

SCHEDULE OF EXAMINATION FOR MATRICULATION.

For schedules from Autumn, 1923, to Autumn, 1925, see end of volume.

SCHEDULE OF LECTURES.

See pages 210-217.

SCHEDULE OF COLLEGIATE EXAMINATIONS.

See pages 218-221.

CORPORATION

RUFUS M. JONES,
President.

ASA S. WING,
Treasurer.

ANNA RHOADS LADD,
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LOUISE BUFFUM CONGDON FRANCIS.

ARTHUR H. THOMAS.

MARTHA GIBBONS THOMAS.

WILLIAM C. DENNIS.

PAULINE DOROTHEA GOLDMARK.

MARION EDWARDS PARK.

OFFICERS OF ADMINISTRATION.

ACADEMIC YEAR, 1922-23.

President,

MARION EDWARDS PARK, PH.D. Office: Taylor Hall.

President Emeritus,

M. CAREY THOMAS, PH.D., LL.D., L.H.D.

Acting Dean of the College,

ELEANOR BONTECOU, A.B., J.D. Office: Taylor Hall.

Recording Dean and Assistant to the President,

ISABEL MADDISON, B.Sc., PH.D. Office: Taylor Hall.

Secretary and Registrar of the College,

EDITH ORLADY, A.B. Office: Taylor Hall.

Wardens of the Halls of Residence.

FRIEDRIKA MARGRETHA HEYL, A.B., Radnor Hall.

MARY SUMMERFIELD GARDINER, A.B., Denbigh Hall.

LOUISE FROST HODGES, A.B., Pembroke Hall East.

LOUISE BULKELEY DILLINGHAM, A.B., Rockefeller Hall.

ELLEN FAULKNER, A.B., Merion Hall.

HILDA WALTON, Pembroke Hall West.

Comptroller,

SANDY LEE HURST. Office: Taylor Hall.

Superintendent,

JOHN J. FOLEY. Office: Rockefeller Hall.

Librarian,

LOIS ANTOINETTE REED, A.B., B.L.S. Office: The Library.

Director of Physical Training and Supervisor of Health,

CONSTANCE M. K. APPLEBEE. Office: The Gymnasium.

Physician-in-Chief,

THOMAS F. BRANSON, M.D. Rosemont, Pa.

Resident Physician,

MINTA PROCTOR KEMP, M.D., 1905 Infirmary, Bryn Mawr. Office: The Infirmary, Bryn Mawr College.

Examining Oculist,

HELEN MURPHY, M.D. 1427 Spruce Street, Philadelphia.

ACADEMIC APPOINTMENTS.

ACADEMIC YEAR, 1922-23.

MARION EDWARDS PARK, PH.D., *President of the College.*

A.B., Bryn Mawr College, 1898, M.A., 1899, and Ph.D., 1918. Holder of the Bryn Mawr European Fellowship, 1898-99, and Graduate Student, Bryn Mawr College, 1898-99, 1912-14, 1916-17; American School of Classical Studies, Athens, Greece, 1901-02; Instructor in Classics, Colorado College, 1902-06, and Assistant Professor of Classics, 1914-15; Teacher in Miss Wheeler's School, Providence, R. I., 1906-09; Acting Dean of Bryn Mawr College, 1911-12; Acting Dean of Simmons College, 1918-21; Dean of Radcliffe College, 1921-22.

M. CAREY THOMAS, PH.D., LL.D., L.H.D., *President Emeritus of the College.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-81; Ph.D., University of Zurich, 1882. Student in the Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94; President of the College and Professor of English, 1894-1922.

ELEANOR BONTECOU, A.B., J.D., *Acting Dean of the College.*

A.B., Bryn Mawr College, 1913; J.D., New York University Law School, 1917. Warden of Denbigh Hall, 1913-14; Teacher in Miss Beard's School, Orange, N. J., 1914-15; Private Secretary, 1915-16; Private Tutor, 1916-17; Student, New York University Law School, 1914-17; Admitted to New York Bar, 1919, and Attorney and Counsellor-at-Law, New York City, 1919-22.

ISABEL MADDISON, B.Sc., PH.D., *Recording Dean and Assistant to the President.*

Reading, England. B.Sc., University of London, 1893; Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Girton College, University of Cambridge, England, 1889-92; Graduate in Honours, First Class, in the Cambridge Mathematical Tripos, 1892; Graduate in Honours, Final Mathematical Schools, University of Oxford, 1892; Graduate Student in Mathematics, Bryn Mawr College, 1892-93; and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship and Student in Mathematics, University of Göttingen, 1894-95.

CHARLOTTE ANGAS SCOTT, D.Sc., *Alumna Professor of Mathematics.*

Lincoln, England. Graduate in Honours, Girton College, University of Cambridge, England, 1880; B.Sc., University of London, 1882; Lecturer on Mathematics in Girton College, 1880-84; lectured in connection with Newnham College, University of Cambridge, England, 1880-83; D.Sc., University of London, 1885.

FLORENCE BASCOM,* PH.D., *Professor of Geology.*

A.B., University of Wisconsin, 1882, B.Sc., 1884, and A.M., 1887. Johns Hopkins University, 1891-93; Ph.D., Johns Hopkins University, 1893. Assistant in Geology and Instructor in Petrography, Ohio State University, 1893-95.

WILMER CAVE WRIGHT, PH.D., *Professor of Greek.*

Shrewsbury, England. Girton College, University of Cambridge, England, 1888-92; Graduate in Honours, Cambridge Classical Tripos, 1892; Ph.D., University of Chicago, 1895. Fellow in Greek, Bryn Mawr College, 1892-93; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96.

JAMES H. LEUBA, PH.D., *Professor of Psychology.*

Neuchâtel, Switzerland. B.S., University of Neuchâtel, 1886; Ph.D., Ursinus College, 1888, Scholar in Psychology, Clark University, 1892-93; Fellow in Psychology, Clark University, 1893-95; Ph.D., Clark University, 1896.

FONGER DEHAAN, PH.D., *Professor of Spanish.*

Leeuwarden, Holland. Ph.D., Johns Hopkins University, 1895; Instructor in Modern Languages, Lehigh University, 1885-91; Fellow in Romance Languages, Johns Hopkins University, 1893-94, Assistant in Romance Languages, 1893-95, Instructor in Romance Languages, 1895-96, and Associate in Romance Languages, 1896-97.

ARTHUR LESLIE WHEELER, PH.D., *Alumna Professor of Latin.*

A.B., Yale University, 1893; Scholar and Student in Classics, Yale College, 1893-96; Ph.D., Yale University, 1896. Instructor and Tutor in Latin, Yale College, 1894-1900.

* Granted sabbatical leave of absence for the year 1922-23.

HENRY NEVILL SANDERS, Ph.D., *Alumnæ Professor of Greek.*

Edinburgh, Scotland. A.B., Trinity University, Toronto, 1894, and A.M., 1897; Ph.D., Johns Hopkins University, 1903. Fellow in Greek, Johns Hopkins University, 1897-98; Lecturer in Greek, McGill University, 1900-02.

WILLIAM BASHFORD HUFF, Ph.D., *Professor of Physics.*

A.B., University of Wisconsin, 1889; A.M., University of Chicago, 1896; Ph.D., Johns Hopkins University, 1900. Lecture Assistant in Physics, Johns Hopkins University, 1899-1900, Assistant in Physics, 1900-01, and Instructor in Physics, 1901-02.

WILLIAM ROY SMITH, Ph.D., *Professor of History.*

A.B., University of Texas, 1897, and A.M., 1898; Ph.D., Columbia University, 1903. Acting Professor of History and Political Science, University of Colorado, 1900-01; Lecturer in History, Barnard College, 1901-02.

LUCY MARTIN DONNELLY,* A.B., *Mary Elizabeth Garrett Memorial Alumnæ Professor of English.*

A.B., Bryn Mawr College, 1893; University of Oxford, England, and University of Leipsic, 1893-94; Sorbonne and Collège de France, and University of Leipsic, 1894-95.

DAVID HILT TENNENT,* Ph.D., *Professor of Biology.*

S.B., Olivet College, 1900; Ph.D., Johns Hopkins University, 1904. Fellow, Johns Hopkins University, 1902-04; Bruce Fellow, Johns Hopkins University, 1904.

CARLETON BROWN, Ph.D., *Professor of English Philology.*

A.B., Carleton College, 1888; A.M., Harvard University, 1901, and Ph.D., 1903. Shattuck Scholar, Harvard University, 1901-03; Instructor in English, Harvard University, 1903-05; Associate in English Philology, Bryn Mawr College, 1905-07; Associate Professor, 1907-10, and Professor, 1910-17; Professor of English, University of Minnesota, 1917-21; Exchange Professor, University of Oxford, 1919-20.

JAMES BARNES, Ph.D., *Professor of Physics.*

Halifax, Nova Scotia. B.A., Dalhousie University, Honours in Mathematics and Physics, 1899, and M.A., 1900; Ph.D., Johns Hopkins University, 1904. Holder of 1851 Exhibition Science Research Scholarship, 1900-03; Fellow, Johns Hopkins University, 1903-04, and Assistant in Physics, 1904-06; Resident Fellow, University of Manchester, 1915.

THEODORE DE LEO DE LAGUNA, Ph.D., *Professor of Philosophy.*

A.B., University of California, 1896, and A.M., 1899; Ph.D., Cornell University, 1901. Teacher in the Government Schools of the Philippine Islands, 1901-04; Honorary Fellow and Assistant in Philosophy, Cornell University, 1904-05; Assistant Professor of the Philosophy of Education, University of Michigan, 1905-07.

MARION PARRIS SMITH, Ph.D., *Professor of Economics.*

A.B., Bryn Mawr College, 1901, and Ph.D., 1908. Graduate Student, Bryn Mawr College, 1902-05, Fellow in Economics and Politics, 1905-06; Bryn Mawr College Research Fellow and Student in Economics and Politics, University of Vienna, 1906-07.

CLARENCE ERROL FERREE, Ph.D., *Professor of Experimental Psychology and Director of the Psychological Laboratory.*

B.S., Ohio Wesleyan University, 1900, A.M., 1901, and M.S., 1902; Ph.D., Cornell University, 1909. Fellow in Psychology, Cornell University, 1902-03; Assistant in Psychology, Cornell University, 1903-07.

GRACE MEAD ANDRUS DE LAGUNA, Ph.D., *Associate Professor of Philosophy.*

A.B., Cornell University, 1903, and Ph.D., 1906. Sage Scholar in Philosophy, Cornell University, 1903-05; Alice Freeman Palmer Fellow in Wellesley College, 1905-06; Reader in Philosophy, Bryn Mawr College, 1907-08.

REGINA KATHARINE CRANDALL, Ph.D., *Margaret Kingsland Haskell Professor of English Composition.*

A.B., Smith College, 1890; Ph.D., University of Chicago, 1902. Graduate Student, University of Chicago, 1893-94, and Fellow in History, 1894-96; Assistant in History, Smith College, 1896-99; Instructor in History, Wellesley College, 1899-1900.

EDITH ORLADY, A.B., *Secretary and Registrar of the College.*

A.B., Bryn Mawr College, 1902. Warden of Pembroke Hall West, 1903-05, and Warden of Rockefeller Hall, 1905-06; Graduate Student, University of Grenoble, 1906-07, Bryn Mawr College, 1903-06, 1907-09; Recording Secretary and Appointment Secretary, 1910-12.

* Granted sabbatical leave of absence for the year 1922-23.

ROGER FREDERIC BRUNEL, Ph.D., *Professor of Chemistry.*

A.B., Colby University, 1903; Ph.D., Johns Hopkins University, 1906. Lecture Assistant in Chemistry, Johns Hopkins University, 1906-07; Instructor in Chemistry, Syracuse University, 1907-10, and Assistant Professor of Chemistry, 1910-12.

MATILDE CASTRO, Ph.D., *Phebe Anna Thorne Professor of Education and Director of the Phebe Anna Thorne School.*

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the High School, Morris, Ill., 1901-03; Instructor in Philosophy, Mount Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12.

GERTRUDE RAND, Ph.D., *Associate in Experimental and Applied Psychology.*

A.B., Cornell University, 1908; Ph.D., Bryn Mawr College, 1911. Graduate Scholar in Psychology, Bryn Mawr College, 1908-09, 1911-12, Fellow in Philosophy, 1909-10, Fellow in Psychology, 1910-11, and Sarah Berliner Research Fellow, 1912-13.

EUNICE MORGAN SCHENCK, Ph.D., *Associate Professor of French.*

A.B., Bryn Mawr College, 1907, and Ph.D., 1913. Graduate Student, Bryn Mawr College, 1909, Graduate Scholar, 1909-10, and Fellow in Romance Languages, 1912-13; President's European Fellow and Student, the Sorbonne, Collège de France, University of Grenoble, and in Madrid, 1910-12; Dean of the College, Bryn Mawr College, 1916-17.

SAMUEL CLAGGETT CHEW, Ph.D., *Professor of English Literature.*

A.B., Johns Hopkins University, 1909, and Ph.D., 1913. Fellow, Johns Hopkins University, 1910-12; English Master, Hotchkiss School, Lakeville, Conn., 1913-14.

SUSAN MYRA KINGSBURY, Ph.D., *Carola Woerishoffer Professor of Social Economy and Director of the Carola Woerishoffer Department of Social Research.*

A.B., College of the Pacific, 1890; A.M., Leland Stanford Jr. University, 1899; Ph.D., Columbia University, 1905. University Fellow, Columbia University, 1902-03; Holder of the European Fellowship of the Women's Education Association, Boston, Mass., 1903-04; Instructor in History, Vassar College, 1904-05; Director of Investigation, Massachusetts Commission on Industrial and Technical Education, 1905-06; Instructor in History and Economics and Head of Departments, Simmons College, 1906-07; Assistant, Associate, and Professor in Economics, Simmons College, and Director of the Department of Research, Women's Educational and Industrial Union, Boston, 1907-15.

GEORGIANA GODDARD KING, M.A., *Professor of the History of Art.*

A.B., Bryn Mawr College, 1896, and M.A., 1897. Fellow in Philosophy, Bryn Mawr College, 1896-97, and Fellow in English, 1897-98; Collège de France, First Semester, 1898-99.

RHYS CARPENTER,* Ph.D., *Professor of Classical Archaeology.*

A.B., Columbia University, 1909, and Ph.D., 1916; B.A., University of Oxford, 1911, and M.A., 1914. Rhodes Scholar and Student, Balliol College, University of Oxford, 1908-11; Drisler Fellow in Classics, Columbia University, 1911-13; Student, American School of Classical Studies in Athens, 1912-13; Absent for Military Service, 1917-19.

CHARLES GHEQUIERE FENWICK, Ph.D., *Professor of Political Science.*

A.B., Loyola College, 1907; Ph.D., Johns Hopkins University, 1912. Student of Political Science, Johns Hopkins University, 1909-11; Law Clerk, Division of International Law in the Carnegie Endowment for International Peace, 1911-14; University of Freiburg, Summer, 1913; Lecturer on International Law, Washington College of Law, 1912-14.

HOWARD LEVI GRAY, Ph.D., *Professor of History.*

A.B., University of Rochester, 1897; A.B., Harvard University, 1898, A.M., 1900, and Ph.D., 1907. Instructor in History, Harvard University, 1909-13, and Assistant Professor of History, 1914-15. Absent on War Service, 1918-19.

JAMES LLEWELLYN CRENSHAW, Ph.D., *Associate Professor of Physical Chemistry.*

A.B., Centre College, 1907, and A.M., 1908; Ph.D., Princeton University, 1911. Assistant Chemist in the Geo-Physical Laboratory of the Carnegie Institution, Washington, D. C., 1910-15. Absent for Military Service, 1917-19.

* Granted sabbatical leave of absence for the year 1923-24.

HOWARD JAMES SAVAGE, * Ph.D., *Associate Professor of English and Director of the Work in English Composition.*

A.B., Tufts College, 1907; A.M., Harvard University, 1909, and Ph.D., 1915. Instructor in English, Tufts College, 1908-11; Instructor in English, Harvard University, 1911-13, and at Radcliffe College, 1911-15; Graduate Student, Harvard University, 1908-09; 1913-15; Instructor in the Harvard Summer School, 1912, 1913, 1914, 1915. Absent for Military Service, 1917-19.

ADA HART ARLITT, Ph.D., *Associate in Educational Psychology.*

A.B., H. Sophie Newcomb Memorial College of Tulane University, 1913; Ph.D., University of Chicago, 1917. Fellow in Biology, H. Sophie Newcomb Memorial College, 1913-14; Fellow in Psychology, University of Chicago, 1914-16; Fellow in Sprague Institute, 1916-17.

SAMUEL ARTHUR KING, M.A., *Non-resident Lecturer in English Diction.*

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Public Speaking, Johns Hopkins University, 1901; Special Lecturer in Speech, University of California, 1902.

ANNA JOHNSON PELL, Ph.D., *Associate Professor of Mathematics.*

A.B., University of South Dakota, 1903; M.S., University of Iowa, 1904; A.M., Radcliffe College, 1905; Ph.D., University of Chicago, 1910; Holder of Alice Freeman Palmer Fellowship of Wellesley College and Student in Mathematics, University of Göttingen, 1906-07; Instructor in Mathematics, Mount Holyoke College, 1911-14, and Associate Professor of Mathematics, 1914-18.

CHARLES WENDELL DAVID, Ph.D., *Associate Professor of History.*

B.A., University of Oxford, 1911; M.A., University of Wisconsin, 1912; Ph.D., Harvard University, 1918; Rhodes Scholar, University of Oxford, 1908-11. Instructor in History, University of Washington, 1915-18.

MARCELLE PARDE, † *Agrégée des Lettres, Associate in French.*

Beauvais, Oise, France. Ecole Normale Supérieure de Sévres, 1911-14. Teacher in the Lycée, Chaumont, Haute Marne, 1915-19; Student, the Sorbonne, 1911-16; Agrégée des lettres, University of Paris, 1917.

EDUARD PROKOSCH, Ph.D., *Associate Professor of German.*

Eger Bohemia. University of Prague, 1894-95; University of Vienna, 1895-97; University of Chicago, 1899-1904; *Staats Examen*, 1897; A.M., University of Chicago, 1901; University of Leipzig, 1904-05; Ph.D., University of Leipzig, 1905. Instructor in German, Francis W. Parker School and School of Education, University of Chicago, 1901-02; Instructor in German Department, University of Chicago, 1902-04; University of Wisconsin, 1905-09; Assistant Professor of German and Comparative Philology, University of Wisconsin, 1909-13; Professor of Germanic Philology, University of Texas, 1913-19.

ANNA BAKER YATES, Ph.D., *Associate in Physiology and Biochemistry.*

A.B., Mount Holyoke College, 1913; M.A., Columbia University, 1915; Ph.D., Columbia University, 1920. Assistant in Chemistry, Barnard College, 1913-15; Instructor in Physiology, Mount Holyoke College, 1915-17; Scientific Assistant, U. S. Public Health Service, August to December, 1917; Teaching Fellow in Physiology, University of Minnesota, 1917-18; Member of Instructing Staff, Training Course for Health Officers, Mount Holyoke College, 1919; Special Investigator, Industrial Service Section, Chicago District Ordnance Department, 1918-19; Instructor in Physiology, Wellesley College, 1919-20.

CLAUDE GILLI, B.A., *Associate Professor of French.*

Nice, France. B.A., London University, First Class Honours, 1909; Rothschild Prizeman in Romance Philology, University College; Lecturer in Romance Philology, East London College, 1910-13; and in Westfield College, 1912-14; Lecturer, University of Montpellier 1917-20.

FRANZ SCHRADER, Ph.D., *Associate in Biology.*

B.S., Columbia University, 1914, and Ph.D., 1919. Scientist for the Bureau of Fisheries, Department of Commerce, Washington, D. C., 1915-16 and summer of 1917; and Pathologist, 1919 to January 31, 1921. Assistant in Zoölogy, Columbia University, 1918-19.

* Granted sabbatical leave of absence for the year 1923-24.

† Granted leave of absence for the year 1922-23.

MARY HAMILTON SWINDLER, PH.D., *Associate in Latin and Classical Archæology.*

A.B., University of Indiana, 1905, and A.M., 1906; Ph.D., Bryn Mawr College, 1912. Graduate Scholar in Greek, Bryn Mawr College, 1906-07, and Fellow in Greek, 1907-09; Mary E. Garrett European Fellow and Student, Universities of Berlin and Oxford and the American School of Classical Studies in Athens, 1909-10; Teacher in the Misses Shipley's School, Bryn Mawr, 1910-11, in Miss Wright's School, Bryn Mawr, 1911-12, and in the Phebe Anna Thorne School, 1914-17.

MALCOLM HAVENS BISSELL, PH.D., *Associate in Geology.*

Ph.B., Yale University, 1911, A.M., 1918, and Ph.D., 1921; Instructor in Engineering, University of Pittsburgh, 1913-14; Assistant in Geography, Yale University, 1917-18; with Connecticut Geological Survey, 1917.

EVA WHITING WHITE, B.S., *Non-resident Lecturer in Social Economy.*

B.S., Simmons College, 1907. Head Resident, Elizabeth Peabody House, Boston, Mass., 1909—; Massachusetts Board of Education, in charge of Vocational Education for Women and Girls, 1910-14; Staff Lecturer, Boston School for Social Work, 1912-14; Massachusetts Homestead Commission, 1916—; Massachusetts Immigration Commission, 1916; Survey of Public Schools, Gary, Ind., 1916; Vice-Chairman, Federal Commission on Living Conditions, 1917-19; Director of Training, Intercollegiate Community Service Association, 1919-22; Acting-Director, Boston School of Social Work, 1922—.

NEVA RUTH DEARDORFF, PH.D., *Associate Professor of Social Economy.*

A.B., University of Michigan, 1908; Ph.D., University of Pennsylvania, 1911; Fellow, University of Pennsylvania, 1908-11. Staff, Assistant Director, Bureau of Municipal Research, Philadelphia, 1912-18; Chief, Division of Vital Statistics, City of Philadelphia, 1914-16; Assistant to Director-General of Civilian Relief, American Red Cross, 1918-21.

HENRIETTA ADDITON, M.A., *Non-resident Lecturer in Social Economy.*

A.B., Piedmont College, 1907; M.A., University of Pennsylvania, 1911; Fellow, University of Pennsylvania, 1910-11, 1912-13. Instructor, History and Civics, Piedmont College, 1908-10; Agent, Philadelphia Society for Organizing Charity, 1913-14; Probation Officer and Case Supervisor, Philadelphia Municipal Court, 1914-16; in Charge, Probation Department, Juvenile Court, 1917; Assistant Director and Director, Section on Women and Girls, Law Enforcement Division, Commission on Training Camp Activities, War Department, 1918-19; Executive Assistant and Director, Field Service, Women and Girls, United States Interdepartmental Social Hygiene Board, 1919-22; Executive Secretary, Big Sisters Association of Philadelphia, 1922—.

SUSAN HELEN BALLOU, PH.D., *Associate in Latin.*

Ph.B., University of Chicago, 1897; Ph.D., University of Giessen, 1912. Graduate Scholar in Latin, University of Chicago, 1897-98, Assistant in Latin, 1898-1900, and Associate in Latin, 1901-07; Travelling Fellow of the Association of Collegiate Alumnae at the American School of Classical Studies, Rome, 1901-02; Student of Palæography in Rome, 1903-04, and Carnegie Research Fellow in Latin Literature, American School of Classical Studies, Rome, 1905-06. Student, Universities of Göttingen and Giessen, 1910, 1911. Instructor in Latin, University of Chicago, 1907-15; in charge of Latin Department, Michigan Western State Normal School, 1915-17; Instructor in History, University of Wisconsin, 1917-20.

THOMAS WHITNEY SURETTE, *Director of the Department of Theoretical Music.*

Special Student, Harvard University, 1890-92. Staff Lecturer in Music to the Extension Delegation of Oxford University, 1907—. Curator of Music in the Museum of Art, Cleveland, O.

HORACE ALWYNE, A.R.M.C.M., *Associate Professor of Music.*

Manchester, England. Holder of Sir Charles Hallé Memorial Scholarship, 1909-12, Gold medallist and graduate (with distinction) of Royal Manchester College of Music, England, 1912. Director of Music, Manchester Grammar School, 1911-12; Head of Piano Department, Skidmore School of Arts, Saratoga Springs, N. Y., 1914-21; Student of Professor Max Mayer (England) and Professor Michael von Zadora (Berlin).

WALTER LLEWELLYN BULLOCK, Ph.D., *Associate in Italian.*

Rugby, England. A.B., Harvard University, 1917, M.A., 1920, and Ph.D., 1922. Graduate Student, Harvard University, 1919-22; Holder of Joseph Eveleth Scholarship, 1914-15; of the Matthews Scholarship, 1916-17; of the Shattuck Scholarship, 1920-21, Boylston Prize, 1917, Dante Prize, 1920; Temporary Master, Rugby School, England, June to July, 1914; Tutor in Argumentation in Department of English, Wellesley College, 1916; Instructor in French, Harvard University, 1921-22.

THEOPHILE MEEK, Ph.D., *Professor of Semitic Languages and the History of Religions.*

B.A., University of Toronto, 1903; B.D., McCormick Theological Seminary, Chicago, 1909; Ph.D., University of Chicago, 1915. Nettie F. McCormick Travelling Fellow in Hebrew, 1906-08; Fellow in Semitics, University of Berlin, 1906-08; American School of Oriental Research, Jerusalem, 1908; University of Chicago, 1914; Professor of Biblical History and Literature, James Millikin University, Decatur, Illinois, 1909-18; Professor of Old Testament and the History of Religions at Meadville Theological School, Meadville, 1918-22.

WILLIAM SIDNEY TANGIER SMITH,* Ph.D., *Lecturer in Geology.*

B.L., University of California, 1890, and Ph.D., 1896. Graduate Student, Johns Hopkins University, 1890-92; Professor of Mathematics and Natural Science, Occidental College, Los Angeles, 1894-95; Fellow in Mineralogy, 1895-97; Professor of Mathematics, State Normal School, Chico, California, 1897-98; Assistant in Mineralogy, University of California, 1899-1900; Assistant Geologist, U. S. Geological Survey, 1900-1905; Assistant Professor and Professor of Geology and Mineralogy, University of Nevada, 1906-12; Instructor in Geology, Summer School, University of California, 1915, and temporarily in charge of classes in Geology, University of California, 1913, 1919, 1920; Consulting Geologist, 1912-22.

HELEN SARD HUGHES,† Ph.D., *Lecturer in English Literature.*

Ph.B. and Ed.B., University of Chicago, 1910; M.A., 1911, and Ph.D., 1917. Acting Head of the Department of Literature, Western College, Oxford, O., 1911-12; Instructor in English, Wellesley College, 1912-14; Fellow and Assistant in English, University of Chicago, 1915-17; Fellow of the Woman's Educational Association of Boston, 1915-16; Instructor in Literature, Grinnell College, Jan. to June, 1916; Instructor and Assistant Professor of English, Montana State University, 1917-19; Associate in English, State University of Iowa, 1919-20; Associate Professor of English, Wellesley College, 1920-22.

BENJAMIN H. WILLIAMS,‡ Ph.D., *Lecturer in Politics.*

A.B., University of Oregon, 1910, and M.A., 1912; Ph.D., University of California, 1921; Associate in Economics, University of California, 1919-20; Teaching Fellow in Political Science, University of California, 1920-21; Instructor in Political Science, University of Pennsylvania, 1921—.

SUE AVIS BLAKE, M.A., *Instructor in Physics.*

A.B., Bryn Mawr College, 1898, and M.A., 1900. Demonstrator and Graduate Student in Physics, Bryn Mawr College, 1898-99, and 1904-06, and Fellow in Physics, 1906-07; Graduate Student, Bryn Mawr College, and Teacher of Mathematics and Science in the Misses Shipley's School, Bryn Mawr, 1899-1900; Assistant in Physics, Smith College, 1900-02, 1903-04; Fellow in Physics, University of Pennsylvania, 1907-08; Instructor in Physics, Smith College, 1910-15.

MARJORIE LORNE FRANKLIN,§ M.A., *Instructor in Economics and Politics.*

A.B., Barnard College, 1913, and M.A., Columbia University, 1916. Graduate Scholar, Bryn Mawr College, 1913-14, and Fellow in Economics, 1914-15; Columbia University, 1915-16; Library Assistant, American Telephone and Telegraph Co., 1916-17; Instructor in Political Science, Vassar College, 1917-18.

MARTHE JEANNE TROTAI, *Instructor in French.*

Paris, France. Certificat d'aptitude à l'enseignement d'Anglais dans les Lycées et Collèges, 1918. Student in the Sorbonne, 1916-18; Teacher in Schools in England, 1913-14, 1915-16; French Graduate Scholar, Bryn Mawr College, 1918-20; Teacher of French in the Phebe Anna Thorne School, 1920-21.

* Substitute for Professor Florence Bascom, Professor of Geology.

† Substitute for Professor Lucy Martin Donnelly, Professor of English Literature.

‡ Semester II, 1922-23.

§ Resigned, January, 1923.

GEORGE ROWLEY, A.B., *Instructor in Modern Art.*

A.B., University of Pennsylvania, 1913. Law School, University of Pennsylvania, 1913-15; Instructor in English, University of Pennsylvania, 1915-17; Military Service, 1917-19; Graduate Student in *Æsthetics and Archæology*, 1919, and Fellow in Fine Arts, 1919-20; Columbia Summer School, 1919; Fellow in Fine Arts, Princeton University, 1920-21.

HELENE BUHLERT BULLOCK, M.A., *Instructor in English Composition.*

A.B., Wellesley College, 1903, and M.A., Radcliffe College, 1915. Instructor in Rhetoric and Composition, Wellesley College, 1915-17 and 1919-22; Associate Head of the Merrill School, 1917-19.

MARGUERITE CAPEN HEARSEY, M.A., *Instructor in English Composition.*

A.B., Hollins College, 1914; M.A., Radcliffe College, 1922; Student, Columbia University, Summer, 1915, Harvard University, 1922. Instructor in English and French, Georgetown College, 1915-17.

EDITH HAMILTON LANMAN, M.A., *Instructor in Chemistry.*

A.B., Radcliffe College, 1914; M.A., University of California, 1915. Graduate Student, University of California, 1914-15; Demonstrator in Chemistry, Bryn Mawr College, 1915-18, Instructor in Chemistry, 1918-19, and Graduate Student, 1916-17.

FRANCES HIGGINSON FULLER, A.B., *Instructor in English Composition.*

A.B., Bryn Mawr College, 1919. Student at the Art Students' League, New York, 1919-21; in charge of the Department of English and Latin, High School, Watertown, Massachusetts, 1921-22.

HELEN BELLE SMITH, M.A., *Instructor in French.*

A.B., University of Wisconsin, 1918, and M.A., 1920. Scholar, Ecole Normale Supérieure, Sévres, 1919; Instructor in French, University of Wisconsin, 1920-22.

ANNA SCHAFHEITLIN, M.A., *Instructor in German.*

A.B., McGill University, 1911, with Governor's Gold Medal, and M.A., 1913. Assistant in French Phonetics, McGill Summer School, 1910; Tutor and Sessional Lecturer in German, 1911-14; Instructor in German, Mount Holyoke College, 1914-18; Fellow in German, University of Wisconsin, 1918-21; Assistant in German, University of Illinois, 1921-22.

HELEN RANKIN JETER, M.A., *Instructor in Social Economy.*

A.B., University of California, 1917; M.A., University of Chicago, 1920; Certificate, Chicago School of Civics and Philanthropy, 1919; Graduate Student, Chicago School of Civics and Philanthropy, 1918-19, University of Chicago, 1919-20; Special Agent, U. S. Bureau of Labor Statistics, 1917-18; Assistant in Social Investigation, Chicago School of Civics and Philanthropy, 1918-21; Assistant in the Graduate School of Social Service Administration, University of Chicago, 1921-22.

ABBY KIRK, A.B., *Reader in Elementary Greek.*

A.B., Bryn Mawr College, 1892. Reader in English, Bryn Mawr College, 1892-98; Associate Principal and Teacher of English and Classics in the Misses Kirk's School, Bryn Mawr, 1899—.

MARGUERITE CELESTINE DAUCHY, B.S., *Reader in Mathematics.*

B.S., University of Vermont, 1922.

MARGARET STORRS, A.B., *Reader in Philosophy and Psychology.*

A.B., Smith College, 1922.

JANE PERRY CLARK, M.A., *Reader in English.*

A.B., Vassar College, 1920; M.A., Columbia University, 1922.

HELEN MARGARET INGRAHAM, M.S., *Demonstrator in Biology.*

B.S., Knox College, 1918; M.S., University of Chicago, 1921. Teacher in Lewistown, Ill., 1918-20.

ISABEL KING WALLACE, A.B., *Assistant Demonstrator in Applied Psychology.*

A.B., University of Rochester, 1916. Factory Experience in Art in Buttons, 1916-18, and Director of Service Department, 1919-21. Grace H. Dodge Scholar in Social Economy and Social Research, Bryn Mawr College, 1921-22.

HAZEL A. WENTWORTH, A.B., *Assistant Demonstrator in Experimental Psychology.*

A.B., Smith College, 1922.

MARGARET HALL, A.B., *Assistant Demonstrator in Educational Psychology*.
A.B., Wellesley College, 1922.

CATHERINE WRIGHT, *Demonstrator in History of Art*.

SALLY HUGHES SCHRADER, B.S., *Assistant Demonstrator in Biology*.
Pacific University, 1913-15; B.S., Grinnell College, 1917. Instructor in Zoölogy, Grinnell College, 1917-18, and Lecturer in Zoölogy, Barnard College, 1919-20; Assistant, U. S. Bureau of Fisheries, 1920; Graduate Student, Columbia University, 1919—.

LOIS ANTOINETTE REED, A.B., B.L.S., *Librarian*.
A.B., University of Illinois, 1909; B.L.S., New York State Library School, 1904. Librarian, The Western College, Oxford, Ohio, 1905-07; Cataloguer and Order Department Assistant, Library of the University of Illinois, 1907-10; Assistant Librarian, University of Rochester, 1910-12.

MARY LOUISE TERRIEN, A.B., *Circulation and Reference Librarian*.
A.B., Smith College, 1905. Simmons College Library School, Boston, Mass., 1914-15.

MARJORIE NEWTON, M.A., *Head Cataloguer*.^{*}
B.S., Simmons College, 1918; M.A., University of Toronto, 1913.

MURIEL JORDAN SCHABACKER, A.B., *Head Cataloguer*.[†]
A.B., Wellesley College, 1915; Pratt Institute School of Library Science, 1917. Cataloguer, Ohio State University Library, 1918-20; Cataloguer, Princeton University Library, 1920-22.

MAY MORRIS, Ph.B., *Assistant to the Circulation and Reference Librarian*.
Ph.B., Dickinson College, 1909. Pratt Institute School of Library Science, 1917.

BESSIE HOMER JENNINGS,[‡] *Assistant Cataloguer*.
Graduate, Drexel Institute Library School, 1900.

CONSTANCE M. K. APPLEBEE, *Director of Physical Training and Supervisor of Health*.

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foster High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire, 1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mount Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906.

MARY W. BARROW, *Assistant to the Director of Physical Training*.
Birmingham, England. Dartford Physical Training College.

NORA HUTCHINSON, *Assistant to the Director of Physical Training*.
Haslemere, Surrey, England. Bedford Physical Training College.

HALLS OF RESIDENCE.

FRIEDRIKA MARGARETHE HEYL, A.B., *Warden of Radnor Hall and Assistant in the Bureau of Recommendations*.

A.B., Bryn Mawr College, 1899. Teacher of German and Student, State Normal School, Fredonia, N. Y., 1899-1900; Teacher in the Balliol School, Utica, N. Y., 1900-01, and Secretary, 1901-08; Warden of Merion Hall, Bryn Mawr College, 1908-10; Assistant to the Dean of Women, Michigan Agricultural College, 1916-18; Secretary to the Adviser of Women, Cornell University, 1918-20.

^{*} Semester I, 1922-23.

[†] Semester II, 1922-23.

[‡] Died, February 9, 1923.

MARY SUMMERFIELD GARDINER, A.B., *Warden of Denbigh Hall and Assistant Adviser of Students.*

A.B., Bryn Mawr College, 1918. Information Secretary, Y. W. C. A. Hostess House, Camp Mills, Long Island, 1918-19; Secretary and Social Worker, Henry Street Settlement, New York City, 1920-21.

LOUISE FFROST HODGES, A.B., *Warden of Pembroke Hall East and Assistant Adviser of Students.*

A.B., Bryn Mawr College, 1918. Statistical Clerk, U. S. Shipping Board, 1918-19; Secretary in the Holton Arms School, Washington, D. C., 1921-22.

LOUISE BULKELEY DILLINGHAM, A.B., *Warden of Rockefeller Hall and Assistant Adviser of Students.*

A.B., Bryn Mawr College, 1916. Graduate Student, Columbia University, 1916-17; Private Secretary, 1917-18; Assistant Secretary, South Porto Rico Sugar Company, Ensenada, Porto Rico, 1918-22.

ELLEN FAULKNER, A.B., *Warden of Merion Hall and Assistant to the Dean of the College in the Department of Health.*

A.B., Bryn Mawr College, 1913. Science Teacher in Miss Low and Miss Heywood's School, Stamford, Conn., 1914-17; Clerk, Farmers' Loan Trust Co., Paris, 1918-21; Second Assistant, Boston Health League, 1921-22.

HILDA WALTON, *Warden of Pembroke Hall West and Assistant Adviser of Students.*

Scarborough, England. Graduate of Somerville College, Oxford, 1909; Secretary to the Principal, Bedford College, London, 1899-1901; Secretary to the Council, Bedford College, 1901-06; Bursar of Somerville College, Oxford, 1909-16; Principal of the Physical Training College, Dartford, 1919-22.

HEALTH DEPARTMENT.

ELEANOR BONTECOU, A.B., J.D., *Head of Health Department.*

MARION EDWARDS PARK, Ph.D., *Ex-officio.*

CONSTANCE M. K. APPLEBEE, *Health Supervisor.*

THOMAS F. BRANSON, M.D., *Physician-in-Chief.*

A.B., Haverford College, 1889; M.D., University of Pennsylvania, 1892. Attending Physician, Bryn Mawr Hospital.

MINTA PROCTOR KEMP, M.D., *Resident Physician.*

M.D., University of Michigan, 1900. Assistant Physician, Northern Michigan State Hospital, 1900-03; Physician, Biologic Department, F. Stearns and Co., Detroit, Mich., 1904-08; Assistant Physician, Newberry State Hospital, 1908-18; and in Kalamazoo State Hospital, 1918-19; Resident Physician, Kenilworth Sanitarium, Kenilworth, Ill., 1919-22.

HELEN MURPHY, M.D., *Examining Oculist.*

M.D., Woman's Medical College of Pennsylvania, 1893; Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894-96; Instructor in Materia Medica, 1896-1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895-97.

Consultant Physicians.

A number of physicians, resident in Philadelphia and representing the principal special divisions of medicine and surgery, have consented to act as consultants when called on by the Health Department.

DEPARTMENT OF EDUCATION.

PHEBE ANNA THORNE SCHOOL.

MATILDE CASTRO, PH.D., *Director*.

A.B., University of Chicago, 1900, and Ph.D., 1907. Fellow in Philosophy, University of Chicago, 1900-01, 1903-04, 1905-06. Principal of the Morris High School, Morris, Ill., 1901-03; Instructor in Philosophy, Mount Holyoke College, 1904-05; Instructor in Philosophy, Vassar College, 1906-09; Professor and Head of the Department of Philosophy, Rockford College, 1910-12. Phebe Anna Thorne Professor of Education, Bryn Mawr College.

FANNY COOK GATES, PH.D., *Head Mistress*.

B.S., Northwestern University, 1894, and M.S., 1895; Ph.D., University of Pennsylvania, 1909. Fellow in Mathematics, Northwestern University, 1894-95; Graduate Scholar in Mathematics, Bryn Mawr College, 1895-96, and Fellow in Mathematics, 1896-97; Holder of European Fellowship of the Association of Collegiate Alumnae, and Student in Mathematics and Physics, University of Göttingen, 1897-98; Graduate Student, University of Chicago, Summer Term, 1899; Instructor in Physics, Goucher College, 1898-1901, Associate Professor of Physics, 1901-06, and Professor of Physics, 1906-11; Research Student, McGill University, 1902-03; Research Student, Cavendish Laboratory, Cambridge, England, April-August, 1905 and 1906; Graduate Student, School of Education, University of Chicago, 1911-13; Dean of Women and Professor of Physics, Grinnell College, 1913-16; Dean of Women, University of Illinois, 1916-18; Y. W. C. A. War work, New York City, 1918-20; Special Teacher of Physics, Brearley School and Lincoln School of Teachers College, 1920-22.

SAMUEL ARTHUR KING, M.A., *Teacher of Reading*.

Tynemouth, England. M.A., University of London, 1900. Special Lecturer in Public Speaking, Johns Hopkins University, 1901; Special Lecturer in Speech, University of California, 1902; Non-Resident Lecturer in English Diction, Bryn Mawr College.

PLACIDO DE MONTOLIU,* *Teacher of Jaques-Dalcroze Eurhythmics (Singing, Dancing)*.

Graduate of the Jaques-Dalcroze College of Rhythmic Training, Geneva, Switzerland, and authorized Director of the Dalcroze System.

CONSTANCE M. K. APPLEBEE, *Teacher of Gymnastics and Sports and Games*.

Licentiate, British College of Physical Education, 1898, and Member, 1899. Gymnasium Mistress, Girls' Grammar School, Bradford, Yorkshire, 1899-1900; in the Arnold Foster High School, Burnley, Yorkshire, 1899-1901; in the High School, Halifax, Yorkshire, 1900-01; Head of Private Gymnasium, Ilkley, Yorkshire, 1899-1901; Harvard School of Physical Training, summer, 1901; Hockey Coach, Vassar College, Wellesley College, Radcliffe College, Mount Holyoke College, Smith College, Bryn Mawr College, Boston Normal School of Gymnastics, 1901-04; Hockey Coach, Harvard Summer School of Gymnastics, 1906. Director of Physical Training, Bryn Mawr College.

MABEL PAULINE WOLFF, M.A., *Teacher of History*.

A.B., Barnard College, 1905, and M.A., Columbia University, 1915. Teacher, Public School, Patton, Pa., 1905-06, Allentown College for Women, 1906-07, Paulsboro High School, Gloucester City, N. J., 1907-11, Washington Seminary, Washington, Pa., 1911-14, and Leominster High School, Leominster, Mass., 1915-16.

RIDIE J. GUION, M.A., *Teacher of English*.

A.B., Wellesley College, 1911; M.A., Columbia University, 1917. Teacher of English, Graham Hall, Minneapolis, Minn., 1912-15; Miss Fine's School, Princeton, N. J., 1915-17.

ELIZABETH RIDER MERRITT,† B.S., *Teacher of Painting, Drawing and Modeling, and Crafts*.

B.S., Teachers College, Columbia University, 1918. Teacher of Fine Arts, Horace Mann School, Teachers College, New York City, 1918-19.

MERCELA WAGNER, A.B., *Teacher of Elementary Mathematics and Beginning Science*.

A.B., Wellesley College, 1917. Laboratory Assistant in Botany, Wellesley College, 1917-18; Instructor in Botany, Sweet Briar College, 1918-20.

* Granted leave of absence for the year 1922-23.

† Absent on account of illness, October to December, 1922-23.

KATE DuVAL PITTS, A.B., *Teacher of French.*

A.B., Bryn Mawr College, 1903. Teacher in Miss Wright's School, Bryn Mawr, and Tutor, 1903-05, 1906-07, 1919-20; Student, University of Grenoble, 1905-06; Instructor in English, Simmons College, Boston, Mass., 1907-08.

EDNA M. ROBBINS, A.B., *Teacher of Mathematics and Science.*

A.B., Smith College, 1911. Teacher in the High School, Bethel, Conn., 1911-13, in Capen School, Northampton, Mass., 1913-18, and in the High School, Westerly, R. I., 1918-20.

DOROTHY M. RANKIN, A.B., *Teacher of Latin.*

A.B., Radcliffe College, 1920. Teacher of Latin in Concord Academy, Concord, Mass., 1920-22.

ANNETTE PONSE, *Teacher of Eurhythmics.*

Graduate of the Jaques-Dalcroze School, Hellerau, 1914. Teacher of Eurhythmics in Geneva and Paris, 1916-20; in the Michio Itow School of Dancing, New York City, 1920-21; in the Boston School of Public Speaking, 1921-22; in the Community Dramatic School, East Gloucester, Mass., Summer, 1921 and 1922, and in the Ogontz School, Pennsylvania, and in Teachers' College, 1922—.

IDA J. LONG, Ph.B., *Teacher in the Primary Department.*

Ph.B. in Education, University of Chicago, 1921. Teacher in Rural School, St. John, Kans., 1910-19; First Grade Critic Teacher, Indiana Normal School, Fort Wayne, Ind., 1921-22.

JULIA MATHILDE FLETCHER, Ph.B., *Assistant in the Primary Department.*

Ph.B. in Education, University of Chicago, 1922.

EDDA FRANCES BENNETT, B.S., *Teacher of Singing.*

B.S., Skidmore College, 1921. Assistant to Dean of Skidmore College, 1921-22. Student at Mr. Thomas Whitney Surette's Summer School of Music, 1922.

MAUD CROSSETT,* B.S., *Teacher of Painting, Drawing, Modeling and Crafts.*

Graduate, Skidmore School of Arts, 1916; B.S., Teachers College, 1918. Instructor in Art, Ohio State University, 1918-21, and Sem. II, 1921-22; Student in Paris, Sem. I, 1921-22.

ADA HART ARLITT, Ph.D., *Educational Psychology.*

A.B., H. Sophie Newcomb Memorial College, Tulane University, 1913; Ph.D., University of Chicago, 1917; Fellow in Biology, H. Sophie Newcomb Memorial College, 1913-14, and Fellow in Psychology, University of Chicago, 1914-16; Associate in Educational Psychology, Bryn Mawr College.

MINTA PROCTOR KEMP, M.D., *Physician of the School.*

M.D., University of Michigan, 1900. Assistant Physician, Northern Michigan State Hospital, 1900-03; Physician, Biologic Department, F. Stearns and Co., Detroit, 1904-08; Assistant Physician, Newberry State Hospital, 1908-18; Assistant Physician, Kalamazoo State Hospital, 1918-19; Resident Physician, Kenilworth Sanitarium, Kenilworth, Ill., 1919-22; Resident Physician, Bryn Mawr College.

HELEN MURPHY, M.D., *Examining Oculist.*

M.D., Woman's Medical College of Pennsylvania, 1893. Assistant Demonstrator in Histology, Woman's Medical College of Pennsylvania, 1894-96; Instructor in Materia Medica, 1896-1902; Instructor in Diseases of the Eye, Philadelphia Polyclinic and College for Graduates in Medicine, 1895-97; Examining Oculist of Bryn Mawr College.

DEPARTMENT OF BUSINESS ADMINISTRATION.

JOHN J. FOLEY, *Superintendent.*

MINNIE RATCLIFFE, *Supervisor of Housekeeping.*

LAURA HOWARD, *Chief Clerk.*

PAUL ROESTEL, *Supervisor of Culinary Department.*

FIRE DEPARTMENT.

WINFIELD DAUGHERTY, *Fire Chief.*

SAMUEL TITLOW, *First Assistant.*

JOSEPH GRAHAM, *Second Assistant.*

* Substitute for Miss Meritt, October to December, 1922.

Honorary Corresponding Secretaries.

The following honorary corresponding secretaries, all of whom are graduates of Bryn Mawr College, have kindly consented to act as representatives of the college in the cities in which they live, and will at any time be glad to answer questions about the college.

CALIFORNIA:

BERKELEY: MRS. COLIS MITCHUM, *Care of Mitchum, Tully & Co., Commercial Union Building, San Francisco.*

LOS ANGELES: MRS. LELAND JAMES FOGG, *1336 Magnolia Avenue, Long Beach.*

SAN FRANCISCO: MRS. CHARLES PRICE DEEMS, *2603 Steiner Street.*

COLORADO:

DENVER: MRS. HENRY SWAN, *740 Emerson Street.*

CONNECTICUT:

FARMINGTON: MRS. HERBERT KNOX SMITH.

NEW HAVEN: MRS. CHARLES MCLEAN ANDREWS, *424 St. Ronan Street.*

DISTRICT OF COLUMBIA:

WASHINGTON: BARONESS SERGE ALEXANDER KORFF, *1021 15th Street.*

ILLINOIS:

CHICAGO: MRS. JAMES FOSTER PORTER, *1085 Sheridan Road, Hubbard Woods.*

MRS. MORRIS LEIDY JOHNSTON, *1636 Prairie Avenue.*

INDIANA:

INDIANAPOLIS: MRS. FRANK NICHOLS LEWIS, *3221 North Pennsylvania Street.*

MARYLAND:

BALTIMORE: MRS. ANTHONY MORRIS CAREY, *1004 Cathedral Street.*

MASSACHUSETTS:

BOSTON: MRS. INGERSOLL BOWDITCH, *32 Woodland Road, Jamaica Plain.*

CAMBRIDGE: MRS. ROBERT WALCOTT, *152 Brattle Street.*

FALL RIVER: MRS. RANDALL NELSON DUFFEE, *19 Highland Avenue.*

MINNESOTA:

MINNEAPOLIS: MRS. HAROLD OLNEY HUNT, *2316 First Avenue South.*

MISSOURI:

KANSAS CITY: MRS. CLARENCE MORGAN HARDENBERGH, *3710 Warwick Boulevard.*

ST. LOUIS: MRS. GEORGE GELLHORN, *4366 McPherson Avenue.*

NEW YORK:

NEW YORK CITY: MRS. LEARNED HAND, *142 East 65th Street.*

UTICA: MRS. ARTHUR PERCY SAUNDERS, *Clinton.*

OHIO:

CINCINNATI: MISS ELIZABETH BALDWIN SMITH, *1805 Madison Road.*

CLEVELAND: MISS ALICE PEIRSON GANNETT, *1420 East 31st Street.*

OREGON:

PORTLAND: MRS. HENRY MINOR ESTERLY, *Inwood, Hewett Boulevard, Route 3.*

PENNSYLVANIA:

PITTSBURGH: MRS. ALEXANDER JOHNSTON BARRON, *Glen Osborne, Sewickley.*

MRS. CAROLL MILLER, *4 Von Lent Place.*

VIRGINIA:

RICHMOND: MRS. WYNDHAM BOLLING BLANTON, *3015 Seminary Avenue.*

UTAH:

SALT LAKE CITY: MISS KATE WILLIAMS, *177 13th East Street.*

WISCONSIN:

MADISON: MRS. MOSES STEPHEN SLAUGHTER, *633 Francis Street.*

ENGLAND: THE HON. MRS. BERTRAND RUSSELL, *11 St. Leonard's Terrace, Chelsea, London.*

STUDENTS.

Fellows, Scholars, and Graduate Students for the Year 1922-23.

THURLOW,* SYLVA,

Bryn Mawr European Fellow and Shippen Foreign Scholar.

Philadelphia. A.B., Bryn Mawr College, 1922. Philadelphia City Scholar, 1918-22; James E. Rhoads Junior Scholar, and Special Scholar, 1920-21, and Maria L. Eastman Brooke Hall Memorial Scholar, and Charles S. Hinchman Memorial Scholar, 1921-22.

LUBIN, GRACE,.....*President M. Carey Thomas European Fellow.*

Pittsburgh, Pa. A.B., Bryn Mawr College, 1921. Graduate Scholar in Chemistry, 1921-22; Graduate Student, University College, London, 1922-23.

WOOD,* HELEN FRANCES,.....*Mary Elizabeth Garrett European Fellow.*

South Hadley Falls, Mass. A.B., Mount Holyoke College, 1918, and A.M., 1920. Graduate Scholar in Latin, Bryn Mawr College, 1919-20; Fellow in Latin, 1920-21; Graduate Scholar and Fellow by Courtesy in Latin, 1921-23.

KELLY,* THERESE KATHLEEN,

Anna Ottendorfer Memorial Research Fellow in Teutonic Philology.

Blackrock, Co. Dublin, Ireland. B.A. with Honours in Modern Languages, National University of Ireland, 1916; M.A., Bryn Mawr College, 1921. Examiner of Income Tax Claims, H. M. Civil Service, and Examiner and Assessor of Deeds for Stamp Duties, Four Courts, Dublin, 1916-20; British Scholar, Bryn Mawr College, 1920-22.

SMITH, EDITH MARION,.....*Helene and Cecil Rubel Foundation Fellow.*

Peoria, Ill. A.B., Bryn Mawr College, 1918, and M.A., 1919. Graduate Scholar in Greek, 1918-19, and Fellow in Greek, 1919-20; European Fellow of the Woman's Education Association of Boston and Research Worker in the Cairo Museum, 1920-21; Instructor in Greek, Wellesley College, and Graduate Student, Radcliffe College, 1921-22; Graduate Student, Bryn Mawr College, 1922-23.

MERCER, ERNESTINE EMMA,.....*Fellow in Greek.*

Philadelphia. A.B., Bryn Mawr College, 1919, and M.A., 1920. Bryn Mawr European Fellow and Shippen Foreign Scholar, and Graduate Scholar in Latin, 1919-20; Fellow in Greek, 1920-21; Graduate Student, University of Oxford and University of Paris, 1921-22.

O'SULLIVAN, MARY ISABELLE,.....*Fellow in English.*

Philadelphia. A.B., Bryn Mawr College, 1907. New York State Library School, 1915-16. Private Tutor and Night Librarian, Drexel Institute, 1908-09; Indexer, Estate of Stephen Girard, 1909-15; Cataloguer, New York Public Library, 1916-17; Graduate Scholar in English Composition, Bryn Mawr College, 1917-18, and Head Cataloguer, Bryn Mawr College Library, 1918-22.

WILLBRAND, IRMA LOUISE,.....*Fellow in German.*

St. Charles, Mo. A.B., University of Missouri, 1921; B.S. in Education, 1920. Teacher of French, Stephens College, Columbia, Mo., 1919-20, and in the University of Missouri, September to December, 1920; Graduate Scholar in Romance Languages, Bryn Mawr College, 1921-22.

JONES, ANNE CUTTING,.....*Fellow in Romance Languages.*

Des Moines, Ia. A.B., Grinnell College, 1918. Teacher in the High School, Cherokee, Ia., 1918-19; Head of Department of Romance Languages, Cottey College, Nevada, Mo., 1919-21; Graduate Scholar in Romance Languages, Bryn Mawr College, 1921-22.

CERS, EDNA,.....*Fellow in Economics and Politics.*

Cambridge, Mass. A.B., Radcliffe College, 1921. Susan B. Anthony Scholar in Social Economy and Politics, 1921-22.

* Fellowship deferred.

HALL, BESSIE LOUISE,
Carola Woerishoffer Fellow in Social Economy and Social Research.
 Bridgewater, Nova Scotia. A.B., Dalhousie University, 1916; M.A., University of Toronto, 1921. Teaching in Schools, 1916-18, 1919-20; V. A. D. Worker, 1918-19.

SUMNER, MARY CLAYTON,
Carola Woerishoffer Fellow in Social Economy and Social Research.
 Amherst, Mass. A.B., H. Sophie Newcomb College in Tulane University, 1917. Graduate Student, Tulane University, 1916-19. Editorial Work, New Orleans *Times-Picayune*, 1917-18; Teaching Fellow in Psychology, Tulane University, 1918-19; Publicity Director, Northeastern Field, National Board, Y. W. C. A., 1919-21; Executive Secretary, International Serbian Educational Committee, 1922.

DANIEL, FRIEDA OPAL,
Grace H. Dodge Fellow in Social Economy and Social Research.
 Osceola, La. A.B., Drake University, 1916. Graduate Student, University of Chicago, 1916-17, 1918-19; Settlement Worker, Chicago, 1917-18; Special Agent, U. S. Department of Labor, Statistics, 1918-19; Field Visitor, A. R. C., June-November, 1919; Assistant and Secretary to Dr. E. S. Ames, University of Chicago, 1919-21; Assistant Inspector, Child Labor Tax Division, Bureau of Internal Revenue, Washington, D. C., 1921-22.

WILDE, CONSTANCE ELIZABETH MARY,
Grace H. Dodge Fellow in Social Economy and Social Research.
 Uppermill, Yorkshire, England. B.Com., Victoria University of Manchester, 1919, and M.Com., 1920. Lecturer in Commerce Department, Huddersfield Technical College, 1919-21; British Scholar, Bryn Mawr College, 1921-22.

SCHAUPP, ZORA ALEITA, *Fellow in Philosophy.*
 Lincoln, Neb. A.B., University of Nebraska, 1919, and M.A., 1921. Reader in Philosophy and Graduate Student, Bryn Mawr College, 1921-22.

SLOAN, LOUISE LITTIG, *Fellow in Psychology.*
 Lutherville, Md. A.B., Bryn Mawr College, 1920. Assistant Demonstrator in Psychology, and Graduate Scholar in Psychology, Bryn Mawr College, 1920-21; Graduate Student, Johns Hopkins University, 1921-22.

KIRKWOOD, JULIA ALLIE, *Fellow in Education.*
 New Orleans, La. A.B., H. Sophie Newcomb College in Tulane University, 1921, and A.B. in Education, 1922. Teaching Fellow in Psychology, H. Sophie Newcomb College, 1921-22.

LITZINGER, MARIE PAULA, *Fellow in Mathematics.*
 Bedford, Pa. A.B., Bryn Mawr College, 1920. Bryn Mawr European Fellow and Shippen Foreign Scholar, 1920-21; Teacher in Devon Manor School, Devon, Pa., and Graduate Student in Mathematics, Bryn Mawr College, 1920-22.

ALMACK, MARY RUTH,
Fellow by Courtesy and Graduate Scholar in Psychology.
 Coshocton, O. A.B., Ohio State University, 1915, and M.A., 1916. Fellow in Psychology, Bryn Mawr College, 1916-18; Demonstrator in Experimental Psychology, 1918-20; Instructor in Psychology, University of Kansas, 1920-22.

BAECHLE, CECILIA IRENE,
Fellow by Courtesy and Graduate Scholar in Education.
 Philadelphia. A.B., Bryn Mawr College, 1913, and M.A., 1920. Graduate Student, University of Pennsylvania, 1913-14, summers, 1914, 1915, 1917. Teacher of Latin, Seiler School, Harrisburg, Pa., 1914; of Latin and English, High School, York, Pa., 1914-16, and of English, 1916-19; Graduate Scholar in Education, Bryn Mawr College, 1919-20; Resident Fellow in Education, 1920-21; President's European Fellow, and Student, University of London, 1921-22.

BOSWELL, ELEANORE, . . . *Fellow by Courtesy and Graduate Scholar in Greek.*
 Philadelphia. A.B., Bryn Mawr College, 1921. Bryn Mawr European Fellow and Shippen Foreign Scholar, and Graduate Student, Bedford College, University of London, 1921-22.

LEHR, ANNA MARGUERITE MARIE,
Fellow by Courtesy and Graduate Scholar in Mathematics.
 Baltimore. A.B., Goucher College, 1919. Reader and Graduate Student in Mathematics, Bryn Mawr College, 1919-21; President's European Fellow and Fellow in Mathematics, 1921-22; American Association of University Women Fellow, elect, 1923-24.

NELSON, GRACE WANDELL,

Fellow by Courtesy and Graduate Scholar in Classical Archaeology.

Philadelphia. A.B., Wellesley College, 1917. Graduate Student, Wellesley College, 1917-18; Graduate Scholar in Classical Archaeology, Bryn Mawr College, 1918-19, and Fellow in Classical Archaeology, 1920-22.

SCUDDER, NITA EMELINE,

Fellow by Courtesy and Graduate Scholar in English.

Oxford, Ohio. B.S., Miami University, 1920. Graduate Scholar in English, Bryn Mawr College, 1920-21, and Fellow in English, 1921-22.

ASHDOWN, ELLA, *British Scholar.*

Blackwater, Hants, England. B.A., University of London, 1915, and M.A., 1921. Assistant Mistress, Hants County Secondary School, 1916-17; Assistant Lecturer in English, University College, Exeter, 1918—.

CAMPBELL, PERSIA CRAWFORD, *British Scholar.*

Sydney, Australia. M.A., Sydney University, 1920. Graduate Student, London University School of Economics, 1920-22, and M.Sc., 1922. Lecturer in W. E. A., Sydney, 1919-20; Mistress of History, Presbyterian Ladies College, Sydney, 1919-20; Traveling Scholar of Sydney University, 1920-22; Administrative Officer, Agency General for New South Wales, London, June-September, 1922.

DOHERTY, FELICITAS MARY, *British Scholar.*

Edinburgh, Scotland. M.A., University of Edinburgh, 1918, with Honours in History, 1921; M.A. in Education and Cambridge Teachers' Certificate, St. George's Training College, Edinburgh, 1918-19.

MACINTOSH, GWENYTH DEAN, *British Scholar.*

London, England. Girton College, Cambridge, 1919-22; Classical Tripos, Part I, 1921; Part II, 1922.

FRYLINCK, WILHELMINA, *Dutch Scholar.*

Naarden, Holland. *Doctoranda*, English Philology, University of Amsterdam, 1922. Student, University of Groningen, 1906-10; University of Zürich, 1919-21; University of Heidelberg, 1921; University of Amsterdam, 1921-22; Teacher of English, Training College, Amsterdam, 1913-18.

FELIX, MADELEINE CATHARINE MARIE, *French Scholar.*

Toulouse, France. *Licence-ès-Lettres (Anglais)*, University of Toulouse, 1921; M.A., Loretto College, 1922. Teacher of French, Loretto College, 1921-22; University of Wisconsin, Summer Session, 1922.

PIERROT, HENRIETTE, *French Scholar.*

Paris, France. *Licence-ès-Lettres*, University of Paris, 1916; *Diplôme d'études Supérieures de Philosophie*, 1917, and *Certificat d'études Supérieures d'embryologie*, 1918.

MALPEZZI, ORFEA, *Italian Scholar.*

Bologna, Italy. *Dottore in lettere*, University of Bologna, 1921.

SCHJÖDT-LARSEN, ASTA MARIE, *Scandinavian Scholar.*

Tönsberg, Norway. *Cand. Philol.*, University of Christiania, 1919; M.A. in Education, 1920. Lector, Grammar School of Drammen, 1920-22.

ACWORTH, WINIFRED BARBARA, *Social Economy.*

London, England. Newnham College, University of Cambridge, 1919-22. Mechanical Sciences Tripos, 1922.

ALBERTSON, MARY, *History.*

Magnolia, N. J. A.B., Bryn Mawr College, 1915. Teacher of English in the Baldwin School, Bryn Mawr, 1918-23. Tutor in English and History in the Summer School for Women Workers in Industry, Bryn Mawr, 1921, 1922.

ANDERSON, ROSE LUCILE, *Graduate Scholar in Mathematics.*

Jamestown, N. Y. A.B., Mount Holyoke College, 1922.

ANDRÉ, LOUISE MARIE, *Philosophy.*

Blois, France. Student, University of Poitiers, 1914-16; *Licence ès Lettres*, 1916; Teacher in the Lycée de Guéret, France, 1916-18; in the High School, Rockford, Ill., 1919-21; in the Shipley School, Bryn Mawr, 1921—.

- ATKINSON, MARY COOK, *Graduate Scholar in Chemistry.*
Newnan, Ga. B.S., Wesleyan College, 1919; M.S., Emory University, 1922. Assistant to
Professor of Chemistry and Physics, Wesleyan College, 1919-20.
- BARNES, HELENA MYRL,
Carola Woerishoffer Graduate Scholar in Social Economy and Social Research.
Elmira, N. Y. B.S., Elmira College, 1922.
- BARRINGER, FLORA MCIVER, *Social Economy.*
Florence, S. C. A.B., Converse College, Spartanburg, S. C., 1922.
- BASSLER, KATHARINE RUSSELL, *Graduate Scholar in Mathematics.*
Cincinnati, O. A.B., Barnard College, 1922.
- BATCHELDER, URSULA CHASE, *History.*
Faribault, Minn. A.B., Bryn Mawr College, 1922. Teacher of History and Economics in
Mrs. Caskin's School, Overbrook, Pa., 1922-23.
- BAUSCH, FRIEDA BERTHA, *Graduate Scholar in German.*
Shippensburg, Pa. A.B., Pennsylvania College, Gettysburg, 1917; Pennsylvania State
College, Summer, 1915; University of Pennsylvania, 1918-19; University of Wisconsin,
Summer, 1919. Teacher in the High School, East Bank, W. Va., 1917-18; in Narberth,
Pa., 1918-19; in Cumberland Valley State Normal School, Shippensburg, 1919—.
- BISSETT, MARION WEAVER, *English, Economics and Politics and Psychology.*
Springfield, Mo. A.B., Drury College, Springfield, 1922.
- BLAKE, SUE AVIS, *Physics.*
Merion, Pa. A.B., Bryn Mawr College, 1898, and M.A., 1900. Demonstrator and Graduate
Student in Physics, Bryn Mawr College, 1898-99, and 1904-06, and Fellow in Physics,
1906-07; Graduate Student, Bryn Mawr College, and Teacher of Mathematics and
Science in the Misses Shipley's School, Bryn Mawr, 1899-1900; Assistant in Physics,
Smith College, 1900-02, 1903-04; Fellow in Physics, University of Pennsylvania, 1907-
08; Instructor in Physics, Smith College, 1910-15, Bryn Mawr College, 1915—.
- CAMPBELL, MARY, *French and Mathematics.*
Salina, Kans. A.B., Kansas Wesleyan University, 1922.
- CARPENTER, * ELEANOR HOUSTON HILL, *Greek and Music.*
Bryn Mawr, Pa. A.B., Bryn Mawr College, 1916. Administrative Assistant, Ordnance
Department, Washington, 1918-19. Graduate Student, Bryn Mawr College, 1920-23.
- CAUGHEY, MARY LAPSLEY, *Graduate Scholar in English.*
Sewickley, Pa. A.B., Vassar College, 1921. Graduate Scholar in English, Bryn Mawr
College, 1921-22.
- CLARK, ELEANOR GRACE, *Old Saxon and Old Norse.*
Portland, Ore. A.B., Oberlin College, 1918, and M.A., 1919. Teacher of English in St.
Helen's Hall, Portland, Ore., 1918-20.
- CLARK, JANE PERRY, *English and Italian.*
New York City. A.B., Vassar College, 1920, and M.A., Columbia University, 1922.
Reader in English, Bryn Mawr College, 1922-23.
- CLARK, RUTH ROSE, *Graduate Scholar in Chemistry.*
Brooklyn, N. Y. A.B., Barnard College, 1922.
- COALE, † SYDNEY BELLEVILLE, *Latin.*
Germantown, Philadelphia. A.B., Bryn Mawr College, 1918.
- COOPER, ELIZABETH MORGAN, *Mathematics.*
Syracuse, N. Y. A.B., Radcliffe College, 1913. Teacher of Mathematics in the Baldwin
School, Bryn Mawr, Pa., 1913—.
- CRANE, CLARA WHITNEY, *English and History.*
Bridgewater, Mass. A.B., Radcliffe College, 1914; M.A., Cornell University, 1918.
English Reader, Bryn Mawr College, 1914-16; Instructor in English, Wellesley College,
1916-17; Teacher of English, Miss Chapin's School, New York City, 1918-19; Teacher
of English, The Bryn Mawr School, Baltimore, and Graduate Student, Johns Hopkins
University, 1919-22; Teacher of English in the Baldwin School, Bryn Mawr, 1922-23.

* Mrs. Rhys Carpenter.

† Mrs. William E. Coale.

- CRAWFORD, MARY SINCLAIR,.....*French*.
Philadelphia. A.B., Wilson College, 1903; M.A., University of Pennsylvania, 1921.
Teacher in the Barber Memorial Seminary, Anniston, Ala., 1903-05; and in the Misses
Timlow's School, Washington, D. C., 1906; Founder and Co-Principal and Head of
French Department, King-Crawford Classical School, Terre Haute, Ind., 1906-16;
Dean and Head of French Department, Girtton School, Winnetka, Ill., 1916-18; Execu-
tive Secretary, Department of Women in Industry of Pennsylvania Council of National
Defense, 1918-19; Community Organizer for War Camp Community Service, 1919;
Graduate Student, University of Pennsylvania, 1918-19, 1920-23; Instructor in French,
Bryn Mawr College, 1919-21; Assistant to the Head Mistress, Phebe Anna Thorne
School, and Teacher of French, 1921-22; Tutor in French, Bryn Mawr College, 1921-23.
- DAUCHY, MARGUERITE CELESTINE,.....*Mathematics and Chemistry*.
Burlington, Vt. B.S., University of Vermont, 1922. Reader in Mathematics, Bryn Mawr
College, 1922-23.
- DAVIS, * VESTA FLORENCE,.....*Education*.
Bryn Mawr, Pa. B.S., Columbia University, 1922; Student, Indiana University, 1914-19;
Teacher in High Schools, 1917-19.
- DILLINGHAM, LOUISE BULKELEY,.....*French and Psychology*.
Englewood, N. J. A.B., Bryn Mawr College, 1916. Graduate Student, Columbia Uni-
versity, 1916-17; Private Secretary, 1917-18; Assistant Secretary, South Porto Rico
Sugar Company, Ensenada, Porto Rico, 1918-22; Warden of Rockefeller Hall, 1922-23.
- EWING, ELLEN LOUISA,.....*English*.
Bryn Mawr, Pa. A.B., Smith College, 1922.
- FAULKNER, ELLEN,.....*Economics*.
Keene, N. H. A.B., Bryn Mawr College, 1913. Science Teacher in the Low and Heywood
School, Stamford, Conn., 1914-16, and in Miss Spence's School, New York, 1917-18.
Clerk, Farmers' Loan Trust Co., Paris, 1918-21; Second Assistant, Boston Health
League, 1921-22; Warden of Merion Hall, 1922-23.
- FINLEY, GAIL,.....*Social Economy*.
Santa Ana, Calif. B.S., Monmouth College, 1918. Secretary, Santa Ana Walnut Growers'
Association, 1919-20; Clerk in Advertising Department, Marshall Field & Co., Chicago,
1920-21; Teacher in High School, Santa Ana, 1921-22.
- FLETCHER, JULIA MATHILDE,.....*Education*.
Indianapolis, Ind. Ph.B. in Education, University of Chicago, 1922. Teacher in Primary
Department, Phebe Anna Thorne School, Bryn Mawr, 1922-23.
- GABEL, ANNE MAY,.....*Graduate Scholar in Psychology*.
Lancaster, Pa. A.B., Bryn Mawr College, 1922.
- GARDINER, MARY SUMMERFIELD,.....*Psychology and Education*.
Brasted Chart, Kent, England. A.B., Bryn Mawr College, 1918. Information Secretary,
Y. W. C. A. Hostess House, Camp Mills, L. I., 1918-19; Secretary and Social Worker,
Henry Street Settlement, New York City, 1920-21; Warden of Denbigh Hall, Bryn
Mawr College, 1921-23.
- GETTYS, CORA LUELLA,.....*Susan B. Anthony Scholar in Politics*.
Lincoln, Neb. A.B., University of Nebraska, 1920, and M.A., 1921. Scholar in Political
Science, University of Nebraska, 1920-21, and Instructor in Political Science, 1921-22.
- GIFFORD, HELEN WING,....*Carola Woerishoffer Scholar in Social Economy*.
New Bedford, Mass. A.B., Vassar College, 1915; B.S., Simmons College, 1917. Industrial
Secretary, Y. W. C. A., 1916-22.
- HALL, MARGARET,.....*Education*.
West Acton, Mass. A.B., Wellesley College, 1922.
- HAMMER, CHRISTINE POTTS,.....*Graduate Scholar in English*.
Pottstown, Pa. A.B., Bryn Mawr College, 1912; M.A., Cornell University, 1916. Private
Secretary and Graduate Student, Bryn Mawr College, 1912-13; Reader in English,
1913-15; Graduate Student, Cornell University, 1915-16; Teacher of English in the
Phebe Anna Thorne School, Bryn Mawr, 1916-17; in the True Light School, Canton,
China, 1917-18; Teacher and Head Mistress, The Wyndcroft School, Pottstown, 1918-
21; Teacher in the Bryn Mawr School, Baltimore, and Graduate Student, Johns Hopkins
University, 1921-22.

* Mrs. David E. Davis.

HENDRICKS, MARJORY EVEREST,

Robert G. Valentine Scholar in Social Economy and Social Research.

Washington, D. C. A.B., University of Wisconsin, 1918. New York School of Social Work, Summer Session, 1919; Editorial Clerk and Acting Chief of Publication Section, U. S. Bureau of Standards, 1918-19; Case Correspondent and Head of Information Service, Insular and Foreign Division, A. R. C., 1919-20; Case Worker, Associated Charities of Washington, D. C., 1921-22.

HIBBARD, RUTH,

Grace H. Dodge Scholar in Social Economy and Social Research.

Columbia, Mo. A.B., University of Missouri, 1922.

HINDS, ETHEL,

Grace H. Dodge Scholar in Social Economy and Social Research.

Washington, D. C. A.B., Swarthmore College, 1922.

HODGES, LOUISE FFROST,.....*Chemistry.*

Washington, D. C. A.B., Bryn Mawr College, 1918. Statistical Clerk, U. S. Shipping Board, 1918-19; Secretary, The Holton-Arms School, Washington, D. C., 1921-22; Warden of Pembroke Hall East, 1922-23.

HOLLINGER, HELEN ELIZABETH,.....*Graduate Scholar in Spanish.*

Trenton, N. J. A.B., Vassar College, 1921. Graduate Scholar in Spanish, Bryn Mawr College, 1921-22.

HUNT,* ELIZABETH PINNEY,.....*Economics and Politics.*

Haverford, Pa. A.B., Bryn Mawr College, 1912. Student in Training School, Bureau of Municipal Research, New York City, 1912-13; Legislative Reference Assistant and General Investigator, Office of National Progressive Service, New York City and Boston, 1913-14; Volunteer Social Worker, 1916-17; Graduate Student, Bryn Mawr College, 1918-20, 1921-22; Graduate Student, University of Stockholm, 1920-21; Teacher in the Baldwin School, Bryn Mawr, 1922-23.

INGRAHAM, HELEN,.....*French and Biology.*

La Harpe, Ill. B.S., Knox College, 1918; M.S., University of Chicago, 1921. Teacher in the High School, Lewistown, Ill., 1918-20; Graduate Student, University of Chicago, 1920-21; Demonstrator in Biology, Bryn Mawr College, 1921-23.

IRWIN, AGNES MILLER,.....*Graduate Scholar in Education.*

Philadelphia. A.B., Bryn Mawr College, 1910. Student of Stenography, Peirce Business School, Philadelphia, 1916; Secretary, School of Neurological Chemistry, University Hospital, Philadelphia, 1917-18; Private Secretary, 1916-17, 1918-19, 1921-22; Y. M. C. A. Worker, France, 1919-20.

JENKINS, DOROTHY DE GROFF,.....*Mathematics.*

Philadelphia. A.B., Bryn Mawr College, 1920. Statistical Clerk, Municipal Court of Philadelphia, 1921—.

JENNINGS, HENRIETTA COOPER,.....*History and Economics and Politics.*

Danville, Pa. A.B., Bryn Mawr College, 1922.

JESSEN,† MYRA RICHARDS,.....*German.*

Rosemont, Pa. A.B., Bryn Mawr College, 1915. Graduate Student, Bryn Mawr College, 1918-19, Sem. I, 1919-20, Sem. II; Teacher in the Baldwin School, 1921-23.

KLEINAU,‡ THELMA WILLIAMS,.....*Psychology.*

Bryn Mawr, Pa. A.B., Bryn Mawr College, 1921. Demonstrator in Experimental Psychology, 1921-22.

MACDONALD, MARY HELEN,.....*Mathematics.*

Ardmore, Pa. A.B., Bryn Mawr College, 1921. Assistant to the Secretary and Registrar of Bryn Mawr College, 1921-23.

MONROE, MARGARET MONTAGUE,.....*Psychology.*

Asheville, N. C. Barnard College, Columbia University, 1911-13. A.B., Mount Holyoke College, 1915. Scholar in Psychology, Bryn Mawr College, 1916-17, and Fellow in Psychology, 1918-20, and Graduate Student, 1921-23. Research Assistant in Physiological Optics, Graduate Medical School, University of Pennsylvania, 1922-23.

* Mrs. Andrew Dickson Hunt.

† Mrs. Karl Detlev Jessen.

‡ Mrs. Glenn Reichert Kleinau.

- MOSHER, MURIEL,.....*English*
New York City. A.B., Barnard College, 1923.
- PENNYPACKER, JULIA ELIZABETH,.....*Psychology.*
Ardmore, Pa. A.B., Vassar College, 1910. Graduate Student, University of Pennsylvania, 1915-16; Drexel Institute, 1917-18; Secretary of The Lyman School, Ardmore, 1914-15; Private Secretary, 1916-17; Assistant to the President of Carson College, 1918-22.
- RANKIN, DOROTHY MAY,.....*Education.*
A.B., Radcliffe College, 1920. Teacher of Latin in Concord Academy, Concord, Mass., 1920-22; in the Phebe Anna Thorne School, Bryn Mawr, 1922—.
- RHEINHOLD, ROSEMARY DOROTHY,
Carola Woerishoffer Graduate Scholar in Social Economy and Social Research.
Glencoe, Ill. A.B., Northwestern University, 1916. Teacher in the Township High School, Stockland, Ill., 1916-17; in the High School, Clear Lake, Ia., 1917-19, and in the High School, Flagstaff, Ariz., 1919-22.
- ROBERTS, ARDIS LAURA,.....*Penn College Scholar.*
Star, Idaho. A.B., Penn College, 1922. Instructor in Music, Summers, 1919, 1921.
- RUBEL, HELEN FRANCES,.....*English.*
New York City. A.B., Bryn Mawr College, 1921. Student in British Museum, London, 1921-22.
- SALUS, * THERESE MATHILDE BORN,.....*English.*
Indianapolis, Ind. A.B., Bryn Mawr College, 1918. Graduate Scholar in English, Bryn Mawr College, 1918-19; and Fellow in English, 1919-20; Mary E. Garrett European Fellow and Student in London, 1920-21.
- SHAW, HELEN LOUISE,.....*History.*
Overbrook, Philadelphia. Ph.B., University of Chicago, 1920. Teacher in Elementary Schools, 1913-18, in the Katharine Branson School, San Rafael, Calif., 1920-21; in the University of California Elementary School, 1921-22; in Mrs. Caskin's School, Overbrook, 1922-23.
- SHEROW, JULIA CATHERINE,.....*Earlham College Scholar.*
Millbrook, N. Y. A.B., Earlham College, 1922.
- SHOWALTER, MARY AGNES,.....*Graduate Scholar in Romance Languages.*
Danville, Ind. A.B., University of Illinois, 1922.
- SPINELLI, BEATRICE NORAH,.....*English.*
Philadelphia. A.B., Bryn Mawr College, 1921. Teacher in the High School, West Philadelphia, 1921-22, 1922-23; Advertising Manager, Blum Store, February-August, 1922.
- STORRS, MARGARET,.....*Philosophy and Psychology.*
New Haven, Conn. A.B., Smith College, 1922. Reader in Philosophy and Psychology, Bryn Mawr College, 1922-23.
- TENNEY, MARY FRANCES,.....*Graduate Scholar in Latin.*
Atlantic City, N. J. A.B., Oberlin College, 1917. Teacher of English and Latin in Ward Academy, Academy, S. Dak., 1917-18; Lindstrom, Minn., 1918-19; St. Helen's Hall, Portland, Ore., 1919-20; Graduate Student, Bryn Mawr College, 1921-22.
- THOMPSON, MARJORIE LA MONTE,.....*History of Art.*
Haverford, Pa. A.B., Bryn Mawr College, 1912. Teacher of English in the Baldwin School, Bryn Mawr, 1916-22.
- TOWLE, ELIZABETH WILLIAMS,.....*Biology.*
Bryn Mawr, Pa. Bryn Mawr College, 1898, and M.A., 1899. Graduate Student, University of Chicago, 1903-04, Columbia University, 1904-05, Cornell University, summers, 1900, 1901. Teacher in the High School, Middletown, Conn., 1900-01; Rockford College, 1901-03; American College for Girls, Constantinople, 1919-21; Teacher in the Baldwin School, Bryn Mawr, 1907-19, 1921—.
- WAGNER, MERCELIA,.....*Education.*
Oneida, N. Y. A.B., Wellesley College, 1917. Laboratory Assistant in Botany, Wellesley College, 1917-18; Instructor in Botany, Sweet Briar College, 1918-20; Teacher in the Phoebe Anna Thorne School, 1920—.

* Mrs. Herbert Salus.

- WALLACE, ISABEL KING, *Psychology*.
Rochester, N. Y. A.B., University of Rochester, 1916. Factory Experience in Art in Buttons, 1916-18, and Director of Service Department, 1919-21. Grace H. Dodge Scholar in Social Economy, 1921-22.
- WASSERMAN, MARGARET, *History and Politics*.
Germantown, Philadelphia. A.B., Wellesley College, 1922.
- WEAVER, BETTY, *Greek, Latin and Education*.
Wayne, Pa. A.B., Bryn Mawr College, 1920. Teacher of Latin in St. Timothy's School, Catonsville, Md., 1920-22.
- WENTWORTH, HAZEL AUSTIN, *Psychology*.
Wayne, Pa. A.B., Smith College, 1921. Science Teacher, Mississippi Synodical College, 1921-22.
- WESNER, MARY BOYDE, *Latin*.
Bryn Mawr, Pa. A.B., Bryn Mawr College, 1910. Graduate Student, Columbia University, 1914-15; Bryn Mawr College, 1916-17; Teacher of English in Oaksmere School, New Rochelle, N. Y., 1910-12; in Bishop's School, La Jolla, Calif., 1912-13; in the Merrill School, Mamaroneck, N. Y., 1914-15; private tutor, 1913-15; Teacher of Latin in the Concord School for Girls, Concord, Mass., 1915-16, and in Miss Wright's School, Bryn Mawr, 1916-18; Clerk, Emergency Fleet Corporation, 1918-19.
- WOLFF, MABEL PAULINE, *History*.
Myerstown, Pa. A.B., Barnard College, 1905, and M.A., Columbia University, 1915. Teacher, Public School, Patton, Pa., 1905-06, Allentown College for Women, 1906-07, Paulsboro High School, Gloucester City, N. J., 1907-11, Washington Seminary, Washington, Pa., 1911-14, and Leominster High School, Leominster, Mass., 1915-16. Teacher in the Phebe Anna Thorne School, 1916—.
- WYCKOFF, DOROTHY, *Latin*.
Bryn Mawr, Pa. A.B., Bryn Mawr College, 1921. Teacher in the Misses Kirk's School, Bryn Mawr, 1922—.
- YOUNG, HELEN HAWTHORNE, *Graduate Scholar in English*.
Campello, Mass. A.B., Boston University, 1919; M.A., Cornell University, 1922. Teacher of English in the High School, Peterborough, N. H., 1919-20, and in the High School, Concord, N. H., 1920-21; Graduate Student, Cornell University, 1921-22.

Undergraduate Students, Academic Year 1922-23.

- ABBOTT, JANE, *Group*, ———, 1922-23.
New York City. Prepared by the Brearley School, New York City.
- ADAMS, ANNA CLINTON, *Group*, ———, 1922-23.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Trustees' Scholar and Pennsylvania State Scholar, 1922-23.
- ADAMS, LOUISE LYMAN, *Group*, ———, 1922-23.
Greenwich, Conn. Prepared by Southfield Point Hall, Stamford, Conn., and by Rosemary Hall, Greenwich.
- ADAMS, MARY, *Group, Chemistry and Biology*, 1919-23.
Greenwich, Conn. Prepared by Rosemary Hall, Greenwich, Conn. New England States Matriculation Scholar, 1919-20; Elizabeth S. Shippen Scholar in Science, 1922-23.
- AFFELDER, LOUISE MAY,
..... *Group, Economics and Politics and Psychology*, 1919-23.
Pittsburgh, Pa. Prepared by the Peabody High School, Pittsburgh, and by the Schenley High School, Pittsburgh.
- ALLEN, RUTH, . . . *Group, Economics and Politics and Psychology*, 1920-23.
New Bedford, Mass. Prepared by St. Timothy's School, Catonsville, Md.
- ANDERSON, ALICE KATHARINE SCROGGIN,
..... *Group, French and Spanish*, 1920-23.
Lincoln, Ill. Prepared by Kemper Hall, Kenosha, Wis.; by Tudor Hall, Indianapolis, Ind., and by the Harcum School, Bryn Mawr, Pa.
- ANDERSON, MARY GWYN, *Group, French and Spanish*, 1920-23.
Galveston, Tex. Prepared by the City Public Schools, Galveston.

- ANDERSON, SARAH,.....*Group, ———, 1921-23.*
New York City. Prepared by the Brearley School, New York City, and by the Ethel Walker School, Simsbury, Conn.
- ANDREWS, LUCIE,.....*Group, ———, 1922-23.*
Bethesda, Md. Prepared by the Holton-Arms School, Washington, D. C., and by the Shipley School, Bryn Mawr, Pa.
- ANGELL, MARION WATERHOUSE CASWELL,
Group, Latin and Archaeology, 1920-23.
Chicago, Ill. Prepared by University High School, Chicago, and by Miss Hall's School, Pittsfield, Mass.
- ARCHBALD, SARA THOMPSON, *Group, Mathematics and Chemistry, 1919-23.*
Pottsville, Pa. Prepared by the High School, Pottsville, and by the Shipley School, Bryn Mawr, Pa.
- ARMSTRONG, ISABEL ALING,..*Group, English and History of Art, 1920-23.*
Greenwich, Conn. Prepared by Miss Spence's School, New York City, and by Miss Masters' School, Dobbs Ferry, New York.
- ARNEILL, ANNE,.....*Group, French and History of Art, 1922-23.*
Denver, Colo. Prepared by the Wolcott School, Denver, the Girls' Collegiate School, Los Angeles, Calif., and by Miss Wright's School, Bryn Mawr, Pa.
- ARNOLD, MARGARET HOLMES,....*Group, Greek and Archaeology, 1922-23.*
Cambridge, Mass. Prepared by the Buckingham School, Cambridge, and by the May School, Boston, Mass.
- BACH, MILDRED PAULINE,.....*Group, ———, 1922-23.*
Philadelphia. Prepared by the High School, Wilkinsburg, Pa., and by the Girls' High School, West Philadelphia.
- BALDWIN, ELEANOR DE FOREST,..*Group, Chemistry and Biology, 1921-23.*
New York City. Prepared by the Ethel Walker School, Simsbury, Conn., and by Rosemary Hall, Greenwich, Conn.
- BARBER, LEILA COOK,.....*Group, ———, 1921-23.*
Chicago, Ill. Prepared by the Faulkner School for Girls, Chicago, and by Miss Wright's School, Bryn Mawr, Pa.
- BEARDSLEY, RUTH ADELENE,
Group, Economics and Politics and Psychology, 1919-23.
Pittsburgh, Pa. Prepared by the Peabody High School, Pittsburgh, Pa. Maria Hopper Sophomore Scholar, 1920-22; Anna Powers Memorial Scholar, 1922-23.
- BEAUDRIAS, HÉLÈNE,.....*Group, French and German, 1920-23.*
Yonkers, N. Y. Prepared by the Halsted School, Yonkers, and by the Scarborough School, Beechwood, Scarborough-on-Hudson, N. Y.
- BEAUDRIAS, ISABELLE,.....*Group, French and Spanish, 1919-23.*
Yonkers, N. Y. Prepared by the Halsted School, Yonkers.
- BEGG, FELICE MENEZ,.....*Group, Chemistry and Biology, 1920-23.*
London, England. Prepared by Eastern House, Weston-super-mare, England, and by the Roedean School, Brighton, England.
- BELL, FRANCES SOPHIA,.....*Group, ———, 1922-23.*
Boonville, Mo. Prepared by the High School, Boonville, by the High School, Bellingham, Wash., by the Latin School for Girls, Chicago, and by the Misses Kirk's School, Bryn Mawr, Pa.
- BENNETT, LOIS HILTON,.....*Group, French and Italian, 1919-23.*
Brewster, N. Y. Prepared by the Veltin School, New York City, and by the Baldwin School, Bryn Mawr, Pa.
- BENSBERG, JERE HALDEMAN,.....*Group, French and Spanish, 1920-23.*
St. Louis, Mo. Prepared by Mary Institute, St. Louis, Mo., Wisconsin High School, Madison, Wis., Hosmer Hall, St. Louis, Mo., and by Miss Wright's School, Bryn Mawr, Pa.

BINGEMAN, ALICE RUSSELL, . . . *Group, History and History of Art*, 1920-23.
Rochester, N. Y. Prepared by Columbia Preparatory School, Rochester, N. Y., and by private tuition.

BITTER, MARIETTA ELIZABETH, *Group, French and Italian*, 1922-23.
New York City. Prepared by the Veltin School, New York City. Alumnae Regional Scholar, 1922-23.

BLUMENSTOCK, MADELEINE,
Group, English and Philosophy and Psychology, 1921-23.
Brooklyn, N. Y. Prepared by the Manual Training High School, Brooklyn.

BONNELL, MARIANA, *Group, English and ———*, 1921-23.
Philadelphia. Prepared by the Wissahickon Heights School, Chestnut Hill, Philadelphia, and by the Walnut Hill School, Natick, Mass.

BOROSS, ALYS, *Group, French and Spanish*, 1921-23.
Larchmont, N. Y. Prepared by the Larchmont Manor School, Larchmont, N. Y., and by the Ethel Walker School, Simsbury, Conn.

BOROSS, EUGENIA, *Group, ———*, 1921-23.
Larchmont, N. Y. Prepared by the Larchmont Manor School, Larchmont, N. Y., and by the Ethel Walker School, Simsbury, Conn.

BOSTOCK, MARY ELIZABETH,
Group, Economics and Politics and ———, 1922-23.
Nutley, N. J. Prepared by the High School, Nutley, and by private tuition.

BOWERS, LUCY KATE, *Group, English and Psychology*, 1919-23.
Nashua, N. H. Prepared by the Lincoln School, Providence, R. I., and by the Misses Kirk's School, Bryn Mawr, Pa.

BOYD, LYSBETH KNICKERBACKER, *Group, ———*, 1921-23.
Philadelphia. Prepared by the Baldwin School, Bryn Mawr, Pa., and by the Agnes Irwin School, Philadelphia.

BOYDEN, MARGARET, *Group, ———*, 1921-23.
Winnetka, Ill. Prepared by the Girton School, Winnetka, Ill., and by the Ethel Walker School, Simsbury, Conn.

BRADLEY, ELIZABETH WELLS, *Group, Spanish and History*, 1921-23.
Wellsville, N. Y. Prepared by the High School, Wellsville, N. Y., by the Shipley School, Bryn Mawr, Pa., and by private tuition.

BRADLEY, MARIAN SARAH, *Group, Spanish and History*, 1919-23.
Wellsville, N. Y. Prepared by the High School, Wellsville, N. Y.

BRAUNS, KATHARINE, *Group, French and German*, 1920-23.
Iron Mountain, Mich. Prepared by Iron Mountain High School, Iron Mountain, Mich., and by the Baldwin School, Bryn Mawr, Pa.

BRIGGS, ELIZABETH HAMILTON, . . *Group, English and Psychology*, 1920-23.
Riverdale, N. Y. Prepared by the Horace Mann School, New York City, and by the Brearley School, New York City.

BRIGGS, FRANCES EDDY, *Group, ———*, 1921-23.
New York City. Prepared by the Horace Mann School, New York City, and by the Brearley School, New York City.

BROKAW, MARY VIRGINIA,
Group, Economics and Politics and Philosophy and Psychology, 1919-23.
Bound Brook, N. J. Prepared by the Bound Brook High School, Bound Brook, N. J., by Dana Hall, Wellesley, Mass., and by the Baldwin School, Bryn Mawr, Pa.

BROWN, HELEN MANNING, *Group, ———*, 1922-23.
Stony Brook, Long Island, N. Y. Prepared by Miss Porter's School, Farmington, Conn., by Miss Chapin's School, New York City, and by private tuition.

BROWN, MIRIAM GRUBB, *Group, ———*, 1921-23.
Norristown, Pa. Prepared by the Westtown Boarding School, Westtown, Pa.

- BROWN, PHOEBE HEARST,.....*Group, English and* ———, 1922-23.
San Francisco, Calif. Prepared by the Cambridge-Haskell School, Cambridge, Mass., and by Miss Ransom and Miss Bridge's School, Piedmont, Calif.
- BRYAN, ANNE SMITH,.....*Group, English and French*, 1922-23.
Nashville, Tenn. Prepared by the Peabody Demonstration School, Nashville.
- BUCHANAN, MILDRED HEYWOOD,.....*Group, Latin and French*, 1920-23.
Philadelphia. Prepared by Central High School, Harrisburg, Pa., and by the Roland Park Country School, Baltimore, Md.
- BUNCH, LAURA CREASE,.....*Group, French and History*, 1919-23.
New York City. Prepared by the Holton Arms School, Washington, D. C.
- BURR, DOROTHY,.....*Group, Greek and Archæology*, 1919-23.
Philadelphia. Prepared by Miss Hills' School, Philadelphia, and by private tuition. Sheelah Kilroy Memorial Scholar in English and Special Scholar, 1921-22; Third prize for General Literature, 1921; Charles S. Hinchman Scholar and Holder of Horace White Prize for Greek Literature, of First Prize for General Literature and of Third Prize for General Information, 1922-23.
- BURROUGHS, ELIZABETH DuBOIS,.....*Group*, ———, 1922-23.
West Park, N. Y. Prepared by the High School, Kingston, N. Y., and by the Misses Kirk's School, Bryn Mawr, Pa.
- BURTON, MABEL BARBER,.....*Group, French and History*, 1922-23.
New York City. Prepared by the Brearley School, New York City.
- CAMPBELL, POLLY DOUGLASS,.....*Group, English and* ———, 1922-23.
Detroit, Mich. Prepared by Rosemary Hall, Greenwich, Conn., and by private tuition.
- CAREY, MARY VIRGINIA,.....*Group*, ———, 1922-23.
Columbus, O. Prepared by the Columbus School for Girls.
- CAREY, SUSAN SHOBER,.....*Group*, ———, 1921-23.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- CARPENTER, VIRGINIA,.....*Group, French and Italian*, 1921-23.
Lewes, Del. Prepared by Miss Madeira's School, Washington, D. C., and by the Harcum School, Bryn Mawr, Pa.
- CARR, MARGARET LOUISE,.....*Group, French and* ———, 1921-23.
Durham, N. C. Prepared by the Shipley School, Bryn Mawr, Pa.
- CARSON, GRACE ALLEN,
Group, Economics and Politics and Psychology, 1919-23.
Ridgewood, N. J. Prepared by the High School, Ridgewood, and by the Mary Lyon School, Swarthmore, Pa.
- CARVIN, FANNIE ROBB,.....*Group*, ———, 1922-23.
New York City. Prepared by the Baldwin School, Bryn Mawr, Pa., and by the Misses Kirk's School, Bryn Mawr, Pa.
- CASTLEMAN, MAYO,
Group, History and Economics and Politics, 1922, 1922-23.
Lexington, Ky. Prepared by the Knox School, Tarrytown, N. Y., and by Miss Wright's School, Bryn Mawr, Pa. Francis Marion Simpson Scholar, 1922-23.
- CHASE, FREDRIKA,.....*Group*, ———, 1922-23.
Waterbury, Conn. Prepared by St. Margaret's School, Waterbury, and by St. Timothy's School, Catonsville, Md.
- CHESNUT, MARY MACE,.....*Group, Latin and Spanish*, 1919-23.
Baltimore, Md. Prepared by the Roland Park Country School, Baltimore, Md.
- CHESTON, MARY ALICE,.....*Group, Latin and Mathematics*, 1920-23.
South Orange, N. J. Prepared by the Birmingham School, Birmingham, Pa.
- CHILD, ELIZABETH REYNOLDS, *Group, History and History of Art*, 1919-23.
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia.

- CHILDS, FRANCES SERGEANT,
Group, History and Economics and Politics, 1919-23.
New York City. Prepared by Miss Chapin's School, New York City.
- CHISOLM, HELEN SCHIEFFELIN, *Group, English and ———, 1921-23.*
New York City. Prepared by the Brearley School, New York City.
- CLEMANS, HUBERTA, *Group, ———, 1923.*
Manchester, Ia. Prepared by the Central School, Manchester, and by the High School, Manchester.
- CLEMENT, AGNES RICHARDSON, *Group, French and Spanish, 1919-23.*
Philadelphia. Prepared by Shady Hill Country Day School, Germantown, and by Spring-side School, Chestnut Hill, Philadelphia.
- CLINCH, ELEANOR FRANCES, *Group, ———, 1922-23.*
Chicago, Ill. Prepared by the Kenwood-Loring School, Chicago, and by Rosemary Hall, Greenwich, Conn.
- COFFIN, LOIS, *Group, Economics and Politics and Psychology, 1920-23.*
Winnetka, Ill. Prepared by the Girton School, Winnetka, Ill., and by Miss Wright's School, Bryn Mawr, Pa.
- COLEMAN, ISABEL, *Group, Italian and History, 1918-23.*
Milwaukee, Wis. Prepared by Milwaukee-Downer Seminary, Milwaukee, and by the Ethel Walker School, Simsbury, Conn.
- COMER, ELIZABETH MARY, *Group, French and History, 1921-23.*
Cynwyd, Pa. Prepared by the Holman School, Philadelphia.
- COMPTON, MARGARET STARR, *Group, English and French, 1920-23.*
Bellingham, Wash. Prepared by the Fairhaven High School, Bellingham, Wash., and by Miss Madeira's School, Washington, D. C.
- CONEY, HARRIOT CRISTINA, *Group, German and History, 1921-23.*
Princeton, N. J. Prepared by Miss Fine's School, Princeton, and by the Baldwin School, Bryn Mawr, Pa.
- CONNELLY, MARGARET,
Group, History and Economics and Politics, 1920-23.
New York City. Prepared by Rosemary Hall, Greenwich, Conn.
- CONNER, KATHARINE ATTERBURY,
Group, History and History of Art, 1920-21, 1922-23.
Katonah, N. Y. Prepared by Miss Chapin's School, New York City, and by the Ethel Walker School, Simsbury, Conn.
- CONSTANT, BEATRICE TALBOT, . . *Group, French and History of Art, 1920-23.*
New York City. Prepared by the High School, Montclair, N. J., and by Wykeham Rise, Washington, Conn. Second prize for General Information, 1921, and Second Prize for General Literature and First Prize for General Information, 1922.
- CONSTANT, MARIS SINCLAIR, . . *Group, English and History of Art, 1921-23.*
New York City. Prepared by the High School, Montclair, N. J., and by Wykeham Rise, Washington, Conn. Third Prize for General Literature and Second Prize for General Information, 1922-23.
- COOKE, HELEN VIRGINIA, *Group, French and History, 1922-23.*
Plainfield, N. J. Prepared by the Plainfield Seminary, by the Hartridge School, Plainfield, and by Miss Wright's School, Bryn Mawr, Pa.
- COOKE, MARTHA LOVE, *Group, History and History of Art, 1920-23.*
Honolulu, T. H. Prepared by Oahu College, Honolulu, and by Rosemary Hall, Greenwich, Conn.
- COOLIDGE, HELEN, *Group, ———, 1922-23.*
Concord, Mass. Prepared by Miss Woodhull's Home School, Concord, by the Winsor School, Boston, Mass., and by private tuition.
- CORNISH, HILDA, *Group, Latin and French, 1921-23.*
Little Rock, Ark. Prepared by the High School, Little Rock, and by Miss Wright's School, Bryn Mawr, Pa.

CORSE, VIRGINIA, *Group, English and History of Art, 1919-23.*
Minneapolis, Minn. Prepared by Stanley Hall, Minneapolis, and by Rosemary Hall,
Greenwich, Conn.

COYNE, FRANCES PAMELA, . . . *Group, English and History of Art, 1920-23.*
Sackett Harbor, N. Y. Prepared by the Phoebe Anna Thorne Model School, Bryn Mawr,
Pa. Special Scholar, 1921-22; Anna Hallowell Junior Scholar, 1922-23.

CROWELL, ELIZABETH EYRE, *Group, Physics and Chemistry, 1920-23.*
Philadelphia. Prepared by the West Philadelphia High School for Girls, Philadelphia.

CUMMINGS, CAROL LUKENS, *Group, ———, 1922, 1922-23.*
Philadelphia. Prepared by the Friends' Select School, Philadelphia, and by the William
Penn High School for Girls, Philadelphia. Simon Muhr Scholar, 1922-23.

CUSHMAN, ELIZABETH ROSS, *Group, ———, 1922-23.*
Rosmont, Pa. Prepared by the Shipley School, Bryn Mawr, Pa.

DEAN, ELIZABETH CRAM,
Group, English and Philosophy and Psychology, 1921-23.
West Chester, Pa. Prepared by the Shipley School, Bryn Mawr, Pa.

DENISON, CHARIS, *Group, ———, 1922-23.*
Santa Barbara, Calif. Prepared by the Santa Barbara Girls' School and by the Ethel
Walker School, Simsbury, Conn.

DODD, WINIFRED LEGGETT, *Group, English and ———, 1922-23.*
New York City. Prepared by the Brearley School, New York City.

DUDLEY, TREVANIA DALLAS, . . . *Group, English and Psychology, 1922-23.*
Nashville, Tenn. Prepared by the Girls' Preparatory School, Nashville, and by Rosemary
Hall, Greenwich, Conn.

DUNBAR, HELEN FLANDERS, *Group, Mathematics and Chemistry, 1919-23.*
Manchester, Vt. Prepared by the Bishop's School, La Jolla, Calif., by the Brearley School,
New York City, and by private tuition.

DUNHAM, MARGARET, *Group, History and History of Art, 1920-23.*
Scarsdale, N. Y. Prepared by the Public School, Scarsdale.

DUNN, MARGARET EBENIA, . . *Group, History and History of Art, 1919-23.*
Santa Barbara, Calif. Prepared by the Santa Barbara Girls' School, Santa Barbara, and
by Miss Ransom and Miss Bridge's School, Piedmont, Calif.

DUNN, MAY MORRILL, *Group, English and French, 1921-23.*
Chicago, Ill. Prepared by the French School, Chicago, by the Francis Parker School,
Chicago, by private tuition, and by the Ethel Walker School, Simsbury, Conn.

DUNN, WILHELMINE, *Group, French and Spanish, 1921-23.*
Columbus, O. Prepared by the Columbus School for Girls, Columbus.

DU PONT, NATALIE WILSON, *Group, ———, 1921-23.*
Wilmington, Del. Prepared by the Misses Hebbs' School, Wilmington, Del., and by the
Baldwin School, Bryn Mawr, Pa.

EBERBACH, MARION, *Group, English and French, 1921-23.*
Philadelphia. Prepared by the Germantown Friends' School, Philadelphia.

EDSON, ALICE LOUISE, *Group, ———, 1922-23.*
Washington, D. C. Prepared by the Holton-Arms School, Washington, and by Miss
Madeira's School, Washington.

EICKS, ADELAIDE MARGARET, . . *Group, English and French, 1922, 1922-23.*
New York City. Prepared by the Washington Irving High School, New York City.

ELLIOTT, CLARA VICKERS
Group, History and Economics and Politics, 1922-23.
Chestertown, Md. Prepared by the Bryn Mawr School, Baltimore.

ELSTON, KATHARINE MAE, . . . *Group, History and History of Art, 1920-23.*
Woodland, Calif. Prepared by the Low and Heywood School, Stamford, Conn.

- ERICSSON, ELIZABETH COLEMAN,
Group, Philosophy and Psychology, 1919-23.
 Scranton, Pa. Prepared by the Central High School, Scranton.
- EVANS, ELSIE LANA,.....*Group, History and* ———, 1921-23.
 Auburn, N. Y. Prepared by Gunston Hall, Washington, D. C.
- FALK, MARJORIE VICTORIA EDEL,.....*Group*, ———, 1922-23.
 Pittsburgh, Pa. Prepared by the Schenley High School, Pittsburgh, and by Rosemary Hall, Greenwich, Conn.
- FANSLER, PRISCILLA HARRIET, ...*Group, English and Philosophy*, 1920-23.
 Frazer, Pa. Prepared by the Phebe Anna Thorne Model School, Bryn Mawr, Pa.
- FARIES, MIRIAM, ...*Group, Economics and Politics and Psychology*, 1920-23.
 Chestnut Hill, Philadelphia. Prepared by the Germantown High School, Philadelphia.
- FISCHER, MARTHA LEWIS,
Group, Economics and Politics and Philosophy and Psychology, 1920-23.
 New Haven, Conn. Prepared by Miss Johnstone's School, New Haven, and by the High School, New Haven.
- FISKE, DOROTHY BROOKS,
Group, History and Economics and Politics, 1921-23.
 Cambridge, Mass. Prepared by the Buckingham School, Cambridge, the Misses May's School, Boston, Mass., and by private tuition.
- FITZ, DELPHINE,.....*Group, Greek and English*, 1919-23.
 Philadelphia. Prepared by the High School for Girls, Philadelphia. Philadelphia City Scholar, 1919-23.
- FITZGERALD, ANNE, ...*Group, History and Economics and Politics*, 1919-23.
 Jamaica Plain, Mass. Prepared by the Girls' Latin School, Boston, and by the MacDuffie School, Springfield, Mass. Special Scholar, 1921-22; Anna M. Powers Memorial Scholar, 1922-23.
- FITZGERALD, REBECCA,.....*Group*, ———, 1922-23.
 Jamaica Plain, Mass. Prepared by the Girls' Latin School, Boston, Mass.
- FOLEY, LOUISE MARIE,*Group, French and History of Art*, 1919-23.
 Saratoga Springs, N. Y. Prepared by the High School, Saratoga Springs, and by private tuition. Elizabeth S. Shippen Scholar in Foreign Languages, 1922-23.
- FOLLANSBEE, ELEANOR,.....*Group, English and Psychology*, 1922-23.
 Chicago, Ill. Prepared by the Latin School for Girls, Chicago, and by Miss Madeira's School, Washington, D. C.
- FORD, LESTA,.....*Group, French and History*, 1920-23.
 New York City. Prepared by Miss Chapin's School for Girls, New York City, and by the Ethel Walker School, Simsbury, Conn.
- FOSTER, RACHEL ALMEDA,.....*Group*, ———, 1921-23.
 Winnetka, Ill. Prepared by the Girton School, Winnetka, and by the University School for Girls, Chicago, Ill.
- FOUNTAIN, OLIVIA CALDWELL,.....*Group, Greek and English*, 1920-23.
 Scarsdale, N. Y. Prepared by the High School, Scarsdale.
- FOWLER, KATHARINE STEVENS, ...*Group, Geology and Biology*, 1921-23.
 Boston, Mass. Prepared by the Winsor School, Brookline, Mass. New England States Matriculation Scholar, 1921-22.
- FRASER, ANN CORNING, *Group, Economics and Politics and Geology*, 1919-23.
 Morristown, N. J. Prepared by the Brearley School, New York City.
- FREEMAN, MARY LOUISE,.....*Group, French and Spanish*, 1920-23.
 Terre Haute, Ind. Prepared by Tudor Hall School for Girls, Indianapolis, Ind.
- FUJITA, TAKI,*Group, History and Economics and Politics*, 1921-23.
 Tokyo, Japan. Prepared by Miss Tsuda's School, Tokyo, and by the Misses Kirk's School, Bryn Mawr, Pa. Japanese Scholar, 1921-23.

- GALLWEY, KATHLEEN, *Group, History and History of Art*, 1920-23.
Newport, R. I. Prepared by St. Timothy's School, Catonsville, Md.
- GARDINER, MARGARET EDWARDS, *Group*, ———, 1921-23.
Haddonfield, N. J. Prepared by the Westtown School, Westtown, Pa. Foundation Scholar, 1921-23, and Special Scholar, 1921-22; Constance Lewis Memorial Scholar, 1922-23.
- GARDNER, DOROTHY CAROLINE, *Group, French and Italian*, 1920-23.
Columbus, O. Prepared by the Columbus School for Girls, Columbus.
- GARRISON, LAURA BELL DWIGHT, *Group*, ———, 1921-23.
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia.
- GATCHELL, CATHARINE KIRKE, *Group, Greek and Latin*, 1921-23.
New York City. Prepared by the Wadleigh High School, New York City. Elizabeth S. Shippen Freshman Scholar, 1921-22; First Maria Hopper Scholar and Special Alumnae Regional Scholar, 1922-23.
- GATES, GAIL, *Group, Greek and English*, 1921-23.
St. David's, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.
- GATES, IRENE, *Group, Chemistry and Biology*, 1919-23.
St. Davids, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.
- GEHRING, CLARA LOUISE, *Group*, ———, 1921-23.
Cleveland, O. Prepared by the Laurel School, Cleveland. Western States Matriculation Scholar, 1921-22.
- GEORGE, HELEN LILLIAN, *Group, English and Spanish*, 1919-23.
Richmond, Va. Prepared by the Virginia Randolph Ellett School, Westhampton, Va.
- GEYER, RUTH BAKER, *Group, English and Psychology*, 1919-23.
Middletown, Pa. Prepared by the High School, Middletown, by the Seiler School, Harrisburg, Pa. and by the Shipley School, Bryn Mawr, Pa.
- GIST, ESTHER ELIZABETH, *Group, Spanish and History*, 1920, 1920-23.
Oak Park, Ill. Prepared by the High School, Oak Park.
- GLESSNER, EMILY FORSYTH, *Group, English and Psychology*, 1921-23.
Littleton, N. H. Prepared by the Chicago Latin School, Chicago, Ill., the St. Mary's School, Concord, N. H., and by Rosemary Hall, Greenwich, Conn.
- GODDARD, CELESTINE, *Group, History and Economics and Politics*, 1919-23.
New York City. Prepared by the Brearley School, New York City.
- GODEFROY, ROBERTE, *Group, Physics and Chemistry*, 1920-23.
New York City. Prepared by St. Agatha's School, New York City. Special Thomas H. Powers Scholar, 1921-23.
- GOLDSMITH, KATHERINE PRICE,
Group, History and Economics and Politics, 1919-23.
New York City. Prepared by the Horace Mann School, New York City.
- GOOD, ALICE CAMPBELL, *Group, Latin and English*, 1922-23.
Brooklyn, N. Y. Prepared by the Brooklyn Heights Seminary, Brooklyn.
- GRAY, ELIZABETH JANET GORDON, . . *Group, English and Spanish*, 1919-23.
Philadelphia. Prepared by the Stevens School, Germantown, and by the Germantown Friends' School, Philadelphia.
- GRAYSON, HELEN STEEL, *Group, English and French*, 1921-23.
Princeton, N. J. Prepared by private tuition.
- GREEN, FLORENCE BELL, *Group, Mathematics and* ———, 1922-23.
New York City. Prepared by St. Agatha's School, New York City.
- GREEN, VERONICA MARY, *Group, History of Art and* ———, 1922-23.
Hewlett, Long Island, N. Y. Prepared by Miss Chapin's School, New York City.

- GREGORY, JEAN LOVELL,.....*Group*, ———, 1921-23.
Oakville, Ontario, Canada. Prepared by the Shipley School, Bryn Mawr, Pa.
- HALE, ELIZABETH,.....*Group, Chemistry and Biology*, 1920-23.
Yonkers, N. Y. Prepared by the Halsted School, Yonkers.
- HALE, MARY CAMERON,.....*Group, French and* ———, 1921-23.
Washington, D. C. Prepared by the Seiler School, Harrisburg, Pa., by the Agnes Irwin School, Philadelphia, and by the Holton-Arms School, Washington.
- HAMILL, MARY BRASEE,.....*Group, French and Spanish*, 1922-23.
Newark, O. Prepared by Rosemary Hall, Greenwich, Conn.
- HAMMOND, MARTHA BONNER, *Group, Mathematics and Chemistry*, 1920-23.
New York City. Prepared by the Brearley School, New York City.
- HAMPTON, ETHELYN,.....*Group*, ———, 1921-23.
Winter Haven, Fla. Prepared by the High School, Winter Haven.
- HANSEN, MATHILDE CATLIN,....*Group, Chemistry and Biology*, 1921-23.
Santa Barbara, Calif. Prepared by the Santa Barbara Girls' School, Santa Barbara, and by the Ethel Walker School, Simsbury, Conn.
- HARDY, CLARE,.....*Group*, ———, 1922-23.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore. Bryn Mawr School Scholar, 1922-23.
- HARRIS, EDITH THACHER,.....*Group, Mathematics and Physics*, 1922-23.
Philadelphia. Prepared by the Germantown Friends' School, Germantown, Philadelphia.
- HARRISON, ELEANOR FARNSWORTH,.....*Group*, ———, 1922-23.
Charlottesville, Va. Prepared by St. Anne's School, Charlottesville.
- HARRISON, FLORENCE LEFTWICH,....*Group, French and History*, 1919-23.
Raleigh, N. C. Prepared by Miss Madeira's School, Washington, D. C.
- HATCH, CORNELIA BOWEN,.....*Group*, ———, 1922-23.
Springfield, Ill. Prepared by the Shipley School, Bryn Mawr, Pa.
- HAWKINS, DORIS AMBALINE,.....*Group, English and French*, 1920-23.
Millbourne, Pa. Prepared by the Friends' Central School, Philadelphia.
- HAY, ALICE HOUGHTON, *Group, History and Economics and Politics*, 1919-23.
Springfield, Ill. Prepared by the High School, Springfield, and by Rosemary Hall, Greenwich, Conn.
- HENDERSON, ELIZABETH KISSAM,....*Group, Latin and English*, 1920-23.
Greenwich, Conn. Prepared by Rosemary Hall, Greenwich.
- HENDERSON, FRANCES DE BUNSEN,.....*Group*, ———, 1922-23.
Monadnock, N. H. Prepared by the Lincoln School, New York City, by the Cambridge-Haskell School, Cambridge, Mass., and by Wykeham Rise, Washington, Conn.
- HENDRICK, KATHARINE MUMFORD,.....*Group*, ———, 1922-23.
Brooklyn, N. Y. Prepared by Erasmus Hall High School, Brooklyn, and by private tuition.
- HENNING, JULIA DUKE, ...*Group, French and Spanish*, 1919-21, 1922-23.
Louisville, Ky. Prepared by Miss Wright's School, Bryn Mawr.
- HENSHAW, HELEN ROCKWELL,.....*Group*, ———, 1921-23.
Schenectady, N. Y. Prepared by the High School, Schenectady.
- HERRMAN, HELEN, *Group, Economics and Politics and Psychology*, 1921-23.
New York City. Prepared by Hunter College Model School, and by the Hamilton Institute for Girls, New York City.
- HESS, ELEANOR STRAUSS,.....*Group*, ———, 1922-23.
New York City. Prepared by the Horace Mann School, New York City, and by private tuition.

- HINKLEY, ETHELINE HART,.....*Group*, ———, 1921-23.
Poughkeepsie, N. Y. Prepared by Putnam Hall, Poughkeepsie, and by Miss Madcira's School, Washington, D. C.
- HINTON, CHRISTEL, . . .*Group, Greek and Philosophy and Psychology*, 1921-23.
Hinton, W. Va. Prepared by the Misses Kirk's School, Bryn Mawr, Pa.
- HOLT, MARIAN HUBBARD,
Group, History and Economics and Politics, 1919-23.
Chicago, Ill. Prepared by the Latin School, Chicago, by St. Timothy's School, Catonsville, Md., and by Miss Spence's School, New York City.
- HOMER, JANE PALFREY,.....*Group*, ———, 1922-23.
Riderwood, Md. Prepared by the Convent of the Sacred Heart, New York City, and by the Bryn Mawr School, Baltimore.
- HOMER, MARGARET VIRGINIA,.....*Group*, ———, 1922-23.
Mt. Washington, Md. Prepared by the Bryn Mawr School, Baltimore.
- HOPKINSON, HARRIOT,.....*Group*, ———, 1922-23.
Manchester, Mass. Prepared by the Buckingham School, Cambridge, Mass., and by the Winsor School, Boston, Mass.
- HOUGH, HELEN ANASTASIA,
Group, History and Economics and Politics, 1921-23.
New York City. Prepared by the Brearley School, New York City. New York, New Jersey and Delaware Bryn Mawr Matriculation Scholar, 1921-22.
- HOWE, MARTHA ELIZABETH, . . .
Group, Economics and Politics and Psychology, 1920-23.
Fulton, N. Y. Prepared by the Shipley School, Bryn Mawr, Pa.
- HOWELL, AUGUSTA APPLETON,
Group, Economics and Politics and Psychology, 1919-23.
Newark, N. J. Prepared by "Westover," Middlebury, Conn., and by Wykeham Rise, Washington, Conn.
- HOWITZ, LOUISE WILSON,
Group, Economics and Politics and Psychology, 1920-23.
Scranton, Pa. Prepared by the Central High School, Scranton.
- HOYT, HELEN PHELPS,
Group, Economics and Politics and Psychology, 1919-23.
New York City. Prepared by the Brearley School, New York City.
- HUBER, MARGARET LOUISE,.....*Group*, ———, 1922-23.
Norristown, Pa. Prepared by Springside School, Chestnut Hill, Philadelphia.
- HUGHES, FRANCES MAXTON,.....*Group, Greek and English*, 1919-23.
Philadelphia. Prepared by the High School, Germantown, Philadelphia. Trustees' Scholar, 1919-23; Second James E. Rhoads Junior Scholar, 1921-22.
- HUMPHREYS, HAROLDINE,*Group, Italian and History of Art*, 1919-23.
New York City. Prepared by the Brearley School, New York City.
- HURST, TACY FRAZER,.....*Group*, ———, 1922-23.
Bryn Mawr, Pa. Prepared by the Phebe Anna Thorne School, Bryn Mawr, Pa.
- IVES, ELIZABETH, *Group, Economics and Politics and Psychology*, 1920-23.
Brewster, N. Y. Prepared by the Brearley School, New York City, the Misses Kirk's School, Bryn Mawr, Pa., and by the Cambridge Haskell School, Cambridge, Mass.
- JAY, FRANCES,.....*Group, History and* ———, 1922-23.
New York City. Prepared by the Brearley School, New York City.
- JEFFRIES, BETTY LABEY,.....*Group*, ———, 1922-23.
Scarsdale, N. Y. Prepared by the Jersey Ladies' College, Jersey, Channel Islands, by the High School, Scarsdale, and by private tuition.

- JOHNSTON, ANGELA,.....*Group, French and* ———, 1922-23.
Chicago, Ill. Prepared by the University of Chicago High School, Chicago.
- KALBFLEISCH, KATHRYN MARY,.....*Group, Chemistry and Biology*, 1920-23.
Tiffin, O. Prepared by the Tiffin High School, Tiffin, O., and by the Laurel School, Cleveland, O.
- KERNEY, KATHARINE,.....*Group*, ———, 1922-23.
Trenton, N. J. Prepared by the Baldwin School, Bryn Mawr, Pa.
- KIESEWETTER, ANN ELIZABETH,.....*Group*, ———, 1922-23.
New York City. Prepared by the Columbus School for Girls and by the Brearley School, New York City.
- KILROY, BANBAH,.....*Group, French and History*, 1919-23.
Springfield, Mass. Prepared by the Central High School, Springfield.
- KINCAID, PAMELA COLEMAN,.....*Group*, ———, 1922-23.
Troy, O. Prepared by the Columbus School for Girls, Columbus, O.
- KING, FRANCES ANTHONY,.....*Group, Latin and English*, 1922-23.
Philadelphia. Prepared by the Girls' High School, West Philadelphia.
- KIRKPATRICK, ESTHER FRAZER,.....*Group, French and History*, 1919-23.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Minnie Murdoch Kendrick Memorial Scholar, 1919-23, and Special Scholar, 1921-22.
- LAIDLAW, LAURA KISSAM,.....*Group, Latin and French*, 1922-23.
New York City. Prepared by the Veltin School, New York City.
- LAWRENCE, ELIZABETH BAILEY,.....*Group*, ———, 1921-23.
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia. James E. Rhoads Sophomore Scholar, 1922-23.
- LAWRENCE, MARION,.....*Group, History and History of Art*, 1919-23.
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia. Maria Hopper Sophomore Scholar, 1920-21; Mary E. Stevens Junior Scholar, 1921-22.
- LEE, DOROTHY BLACKBURN,.....*Group*, ———, 1921-22, 1923.
Philadelphia. Prepared by the Shipley School, Bryn Mawr, and by the Agnes Irwin School, Philadelphia.
- LEEWITZ, GERMAINE JEANNE,.....*Group*, ———, 1922-23.
New York City. Prepared by the Veltin School, New York City.
- LEEWITZ, SUZANNE ELISE,.....*Group, French and Spanish*, 1920-23.
New York City. Prepared by the Veltin School, New York City.
- LEFFERTS, DOROTHY COUWENHOVEN,.....*Group*, ———, 1922-23.
New York City. Prepared by the Horace Mann School, New York City.
- LEMON, IRENE ELIZABETH,.....*Group, French and History*, 1919-23.
Yonkers, N. Y. Prepared by the High School, Yonkers, and by the Halsted School, Yonkers.
- LEUBA, GLADYS, *Hearer by Courtesy in English, History, and Music*, 1922-23.
Bryn Mawr, Pa. Prepared by the Phebe Anna Thorne School, Bryn Mawr.
- LEWIS, CONSTANCE DOROTHY,.....*Group, History and History of Art*, 1920-23.
Staten Island, N. Y. Prepared by the Curtis High School, New Brighton, Staten Island, and by the Capen School, Northampton, Mass.
- LEWIS, MIRIAM SCHWENK,.....*Group*, ———, 1922-23.
Rosemont, Pa. Prepared by the Girls' High School, Philadelphia. Charles E. Ellis Scholar and L. C. B. Saul Scholar, 1922-23.
- LING, BARBARA HYDE,.....*Group, English and French*, 1920-22.
Tarrytown-on-Hudson, N. Y. Prepared by Crandon Hall, Rome, Italy, and by the Knox School, Tarrytown-on-Hudson.

- LINGELBACH, ANNA,.....*Group, History and ———*, 1922-23.
Philadelphia. Prepared by the Girls' High School, West Philadelphia. Trustees' Philadelphia Girls' High School Scholar, 1922-23.
- LINN, ANNE WOOD,.....*Group, ———*, 1922-23.
Philadelphia. Prepared by Miss Wright's School, Bryn Mawr, Pa.
- LINN, MARY BETTINA,.....*Group, ———*, 1922-23.
Philadelphia. Prepared by Miss Wright's School, Bryn Mawr, Pa.
- LITCHFIELD, DOROTHY HALE,.....*Group, English and French*, 1920-23.
Narberth, Pa. Prepared by the Friends' Central School, Philadelphia.
- LOEB, JEAN BERTHE,.....*Group, English and Psychology*, 1922-23.
Philadelphia. Prepared by the Friends' Central School, Philadelphia.
- LOMAS, ELAINE MARGARET,
Group, Economics and Politics and Psychology, 1921-23.
New York City. Prepared by Rosemary Hall, Greenwich, Conn.
- LOMAS, VIRGINIA WASHINGTON,..*Group, English and Psychology*, 1921-23.
New York City. Prepared by Rosemary Hall, Greenwich, Conn.
- LONG, ALICE SAX,.....*Group, ———*, 1922-23.
Wilkes-Barre, Pa. Prepared by the Wilkes-Barre Institute.
- LYTLE, MARY LORENE,.....*Group, Latin and Philosophy*, 1921-23.
Marquette, Mich. Prepared by Northern State Normal High School, and by Northern State Normal School, Marquette.
- MACY, GERTRUDE MARGUERITE, *Group, Mathematics and Physics*, 1922-23.
Pasadena, Calif. Prepared by Miss Ransom and Miss Bridge's School, Piedmont, and by private tuition.
- MALAUN, ELIZABETH,.....*Group, Chemistry and Biology*, 1921-23.
Carbondale, Pa. Prepared by the High School, Carbondale, and by private tuition. Pennsylvania State Scholar, 1921-23.
- MALLETT, ELIZABETH GIBBS,.....*Group, ———*, 1922, 1922-23.
New York City. Prepared by Miss Spence's School, New York City.
- MARSHALL, REBECCA SNOWDEN,
Group, History and Economics and Politics, 1917-19, 1922-23.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- MARTIN, DOROTHY JEAN,.....*Group, Mathematics and Physics*, 1919-23.
Bryn Mawr, Pa. Prepared by the Lower Merion High School, Ardmore, Pa. Special Scholar, 1920-21; Anna Hallowell Junior Scholar and Special Scholar, 1921-22.
- MARTIN, FLORENCE HAMILTON,..*Group, English and Psychology*, 1919-23.
San Rafael, Calif. Prepared by Miss Ransom and Miss Bridges' School, Piedmont, Calif.
- MATHEWS, ELEANOR BOWEN,
Group, Economics and Politics and Psychology, 1919-23.
New York City. Prepared by the Brearley School, New York City.
- MATHEWS, MARGARET KING,.....*Group, French and History*, 1922-23.
White Plains, N. Y. Prepared by the Goodyear-Burlingame School, Syracuse, N. Y., by the Mary Lyon School, Swarthmore, Pa., and by the Baldwin School, Bryn Mawr, Pa.
- MATTESON, FRANCES,.....*Group, Spanish and History*, 1919-23.
Providence, R. I. Prepared by the Mary C. Wheeler School, Providence.
- McADOO, SARAH FLEMING,.....*Group; ———*, 1922-23.
Pasadena, Calif. Prepared by the Holton-Arms School, Washington, D. C.
- McANENY, RUTH PUTNAM,.....*Group, French and History*, 1919-23.
New York City. Prepared by the Brearley School, New York City, and by the Bremestead School, Bolton Landing, N. Y.

- MORSE, KATHARINE ELIZABETH, *Group, French and ———*, 1922-23.
Baltimore, Md. Prepared by the Roland Park Country School, Baltimore.
- MORSE, SELMA, *Group, ———*, 1921, 1921-22, 1923.
New York City. Prepared by private tuition.
- MORSMAN, MARY, *Group, History and History of Art*, 1919-23.
Omaha, Neb. Prepared by Brownell Hall, Omaha, and by St. Timothy's School, Catonsville, Md.
- MORTON, REBECCA HAMILTON,
Group, Economics and Politics and Psychology, 1921-23.
Wilmington, Del. Prepared by the Misses Kirk's School, Bryn Mawr, Pa.
- MOSLE, ELIZABETH BOARDMAN,
Group, History and Economics and Politics, 1920-23.
New York City. Prepared by Miss Chapin's School, New York City, and by the Ethel Walker School, Simsbury, Conn.
- MUCKENHOPT, KATHERINE, *Group, ———*, 1922-23.
Poughkeepsie, N. Y. Prepared by the High School, Poughkeepsie, and by Hillside, Norwalk, Conn.
- MURRAY, ROBERTA, *Group, English and History of Art*, 1920-23.
Chappaqua, N. Y. Prepared by the Pleasantville High School, Pleasantville, N. Y., and by the Shipley School, Bryn Mawr, Pa. Foundation Scholar, 1920-23.
- MUSSELMAN, ELEANOR SHAW, *Group, ———*, 1922-23.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- MUTCH, JESSIE ADA MARGARET,
Hearer by Courtesy in Chemistry and Philosophy, 1922-23.
Bryn Mawr, Pa. Demonstrator in the Gymnasium, 1922-23.
- MUTCH, MARY DOW, *Group, Chemistry and Biology*, 1921-22, 1923.
Bryn Mawr, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.
- NAGLE, MARION WYNNE, *Group, French and German*, 1921-23.
Reading, Pa. Prepared by the High School for Girls, Reading, and by private tuition.
- NEILSON, KATHARINE BISHOP, *Group, English and History of Art*, 1920-23.
Darien, Conn. Prepared by the Low and Heywood School, Stamford, Conn.
- NEVILLE, ESTELLE CARDWELL, *Group, English and French*, 1920-23.
Colonia, N. J. Prepared by the Horace Mann School, New York City, and by the Shipley School, Bryn Mawr, Pa.
- NEWBOLD, ELIZABETH MUNSON, . . *Group, Chemistry and Biology*, 1919-23.
Philadelphia. Prepared by the High School, Asbury Park, N. J., and by the Girls' High School, West Philadelphia. Philadelphia City Scholar, 1919-23; Maria Hopper Sophomore Scholar, 1920-21; Mary Anna Longstreth Junior Scholar, 1921-22; Mary Anna Longstreth Senior Scholar, 1922-23.
- NICHOLS, EDITH GREENLEAF, *Group, French and ———*, 1922-23.
Boston, Mass. Prepared by the Winsor School, Longwood, Boston, Mass. Alumnae Regional Scholar, 1922-23.
- NORRIS, VIRGINIA WHITEHEAD, *Group, French and ———*, 1922-23.
Philadelphia. Prepared by the Farnum School, Philadelphia, and by the Agnes Irwin School, Philadelphia.
- NOWELL, ELIZABETH HOWLAND, *Group, ———*, 1922-23.
New Bedford, Mass. Prepared by the Friends' Academy, New Bedford, and by the Ethel Walker School, Simsbury, Conn. New England States Bryn Mawr Matriculation Scholar, 1922-23.
- O'SHEA, DEIRDRE, *Group, English and Psychology*, 1922-23.
New York City. Prepared by the Brearley School, New York City.

- PAGE, EVELYN,.....*Group, English and Psychology*, 1919-23.
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia. Sheelah Kilroy Memorial Scholar in English, 1922-23.
- PALACHE, MARY,.....*Group, French and History of Art*, 1920-23.
Cambridge, Mass. Prepared by the Brimmer School, Boston, Mass.
- PALMER, JEAN TILFORD,.....*Group, History and History of Art*, 1920-23.
Omaha, Nebr. Prepared by St. Timothy's School, Catonsville, Md.
- PANTZER, ADELE AMELIA,.....*Group, German and History*, 1921-23.
Indianapolis, Ind. Prepared by Tudor Hall School for Girls, Indianapolis.
- PARKER, ALICE LEE,.....*Group, ———*, 1921-23.
South Orange, N. J. Prepared by the Dearborn-Morgan School, Orange, N. J., and by the Ethel Walker School, Simsbury, Conn.
- PARKER, MARY CARNEY,.....*Group, Italian and History of Art*, 1922-23.
South Lancaster, Mass. Prepared by the Ethel Walker School, Simsbury, Conn., and by the Misses Kirk's School, Bryn Mawr, Pa.
- PARMELEE, ALICE,.....*Group, ———*, 1922-23.
New York City. Prepared by Miss Chandor's School, New York City.
- PEARCE, ROSALIND, *Group, Economics and Politics and Psychology*, 1920-23.
Gloucester, Mass. Prepared by the High School, Gloucester, and by the Cambridge-Haskell School, Cambridge, Mass.
- PEARSON, ELIZABETH THOM,.....*Group, French and History*, 1920-23.
Philadelphia. Prepared by the Germantown Friends' School, Philadelphia.
- PETERS, THEDA CLARK,.....*Group, ———*, 1922-23.
Neenah, Wis. Prepared by the Baldwin School, Bryn Mawr, Pa.
- PHARO, ELIZABETH WILSON, *Group, French and History*, 1918-21, 1922-23.
Haverford, Pa. Prepared by Miss Wright's School, Bryn Mawr, Pa.
- PHILBRICK, ELIZABETH VAN VALZAH,
Group, English and History of Art, 1919-23.
New York City. Prepared by the High School, Montclair, N. J., by the Brearley School, New York City, and by private tuition.
- PICKRELL, GENEVIEVE,
Group, Economics and Politics and Psychology, 1921-23.
Indianapolis, Ind. Prepared by Tudor Hall, Indianapolis, and by Rosemary Hall, Greenwich, Conn.
- PIERCE, MARGARET HORTENSE,.....*Group, French and ———*, 1921-23.
Syracuse, N. Y. Prepared by the Goodyear-Burlingame School, Syracuse, and by the Ethel Walker School, Simsbury, Conn.
- PIERCE, MILLICENT,.....*Group, French and Modern History*, 1922-23.
New York City. Prepared by the Oston School, Pasadena, Calif., and by the Shipley School, Bryn Mawr, Pa.
- PORTER, EMILY WILSON,.....*Group, Chemistry and Biology*, 1922-23.
Sewickley, Pa. Prepared by the High School, Sewickley, and by Miss Wright's School, Bryn Mawr, Pa.
- POTTS, HELEN DICKEY,.....*Group, ———*, 1921-23.
Germantown, Philadelphia. Prepared by the Germantown Friends' School, and by the Westtown Boarding School, Westtown, Pa.
- PRATT, ANNA,.....*Group, English and History of Art*, 1920-23.
Haverford, Pa. Prepared by the Baldwin School, Bryn Mawr, Pa.
- PRATT, VIRGINIA,.....*Group, ———*, 1922-23.
New York City. Prepared by Miss Chapin's School, New York City, and by the Ethel Walker School, Simsbury, Conn.

- PRESTON, JANET CROSS,.....*Group*, ———, 1922-23.
Catonsville, Md. Prepared by St. Timothy's School, Catonsville, Pennsylvania, and Southern States Bryn Mawr Matriculation Scholar, 1922-23.
- PRICE, HARRIET DYER, *Group, History and Economics and Politics*, 1919-23.
New York City. Prepared by Miss Chapin's School, New York City, and by St. Timothy's School, Catonsville, Md.
- QUARLES, CAROLINE STOCKTON,.....*Group, French and* ———, 1921-23.
Milwaukee, Wis. Prepared by the Lake School for Girls, Milwaukee, and by Milwaukee-Downer Seminary.
- QUINN, HELEN CLOYD,.....*Group, English and French*, 1922-23.
Cynwyd, Pa. Prepared by the Lower Merion High School, Ardmore, Pa. Lower Merion High School Scholar, 1922-23.
- RAHT, KATHARINE,.....*Group, French and History*, 1919-23.
Chattanooga, Tenn. Prepared by the Girls' Preparatory School, Chattanooga, and by the Shipley School, Bryn Mawr, Pa.
- RALEY, ROSAMOND DAY,.....*Group, Chemistry and Biology*, 1919-23.
Glens Falls, N. Y. Prepared by the High School, Glens Falls, and by private tuition.
- REMAK, CAROLINE VORHEES,.....*Group*, ———, 1921-23.
Chestnut Hill, Philadelphia. Prepared by Springside School, Chestnut Hill, by the Agnes Irwin School, Philadelphia, and by Rosemary Hall, Greenwich, Conn.
- REQUA, ELOISE GALLUP,
Group, History and Economics and Politics, 1920-23.
Chicago, Ill. Prepared by the Chicago Latin School for Girls, Chicago, and by the Mary C. Wheeler School, Providence, R. I.
- RHOADS, ESTHER LOWREY,.....*Group, French and Italian*, 1919-23.
Bala, Pa. Prepared by the Agnes Irwin School, Philadelphia.
- RICE, HELEN,.....*Group, French and Italian*, 1919-23.
New York City. Prepared by Miss Chapin's School, New York City.
- RICHARDS, JANE REBECCA,.....*Group, French and History*, 1919-23.
Wilmington, Del. Prepared by the Misses Hebb's School, Wilmington, and by Rosemary Hall, Greenwich, Conn. Elizabeth Duane Gillespie Scholar in American History, 1922-23.
- ROBBINS, ELIZABETH,.....*Group, Latin and English*, 1920-23.
Bryn Mawr, Pa. Prepared by the Lower Merion High School, Ardmore, Pa. Lower Merion High School Scholar, 1920-21; Maria Hopper Sophomore Scholar, 1921-22.
- ROBERTS, NELL RICHARDSON,.....*Group, Mathematics and Physics*, 1921-23.
Louisville, Ky. Prepared by the Girls' High School, Louisville, and by Rosemary Hall, Greenwich, Conn.
- RODGERS, HELEN GRIFFIS,.....*Group*, ———, 1922-23.
Philadelphia. Prepared by the Girls' High School, West Philadelphia.
- RODNEY, MARY EMILY,
Group, Economics and Politics and Psychology, 1920-23.
Harrisburg, Pa. Prepared by the High School, Harrisburg.
- ROGERS, ANNETTE DOUMAUX,.....*Group, History and* ———, 1922-23.
Clinton, N. Y. Prepared by the College Hill School, Clinton, and by the Shipley School, Bryn Mawr, Pa.
- ROSENAU, BERTHA PAULINE,.....*Group*, ———, 1922-23.
Brookline, Mass. Prepared by the High School, Brookline, Mass.
- ROSENKOFF, FRED A FRANCES,.....*Group, Latin and French*, 1920-23.
Philadelphia. Prepared by the Girls' High School, Philadelphia. Philadelphia City Scholar, 1920-23; and Special Sophomore Scholar, 1921-22.
- RUSSELL, MARIAN,.....*Group, History and Economics and Politics*, 1920-23.
Ashland, Ky. Prepared by the Shipley School, Bryn Mawr, Pa.

- RUTT, ESTHER BELL, *Group*, ———, 1922-23.
Bryn Mawr, Pa. Prepared by the Lower Merion High School, Ardmore, Pa.
- SABIN, HELEN YVONNE, *Group, Latin and* ———, 1921-23.
Dallas, Tex. Prepared by St. Edward's School, Dallas, and by Miss Madeira's School, Washington, D. C.
- SABINE, JANET, *Group*, ———, 1922-23.
Boston, Mass. Prepared by the Winsor School, Longwood, Boston.
- ST. JOHN, ELEANOR VIVIAN, *Group*, ———, 1921-23.
Hartford, Conn. Prepared by the Oxford School, Hartford, and by the Ethel Walker School, Simsbury, Conn.
- SANFORD, LOUISE MOTT, *Group, History and History of Art*, 1920-23.
New York City. Prepared by the Brearley School, New York City.
- SAVAGE,* JANE BELL YEATMAN,
 Group, History and Economics and Politics, 1918-19, 1920, 1920-23.
Philadelphia. Prepared by the Agnes Irwin School, Philadelphia, and by the Shipley School, Bryn Mawr, Pa.
- SCHAEDEL, JULIA MAYME, *Hearer by Courtesy in English*, 1923.
Bay City, Tex. Prepared by the High School, Bay City. Resident Nurse, 1922-23.
- SCHOONOVER, JANETTA WRIGHT,
 Group, Mathematics and Chemistry, 1921-23.
Trenton, N. J. Prepared by the Bowen-van Cleef School, Trenton, and by the High School, Trenton.
- SCHUDER, GLADYS SUSANNA, *Group*, ———, 1922-23.
Covington, Va. Prepared by the High School, Covington, and by the Shipley School, Bryn Mawr, Pa.
- SCHWARZ, JOANNA MILDRED,
 Group, History and Economics and Politics, 1919-23.
Greenwich, Conn. Prepared by Rosemary Hall, Greenwich.
- SCRIBNER, HARRIET MARIE, *Group, English and French*, 1919-23.
Cornwall-on-Hudson, N. Y. Prepared by the Brearley School, New York City.
- SEARS, OLIVE, *Group, Latin and* ———, 1921-23.
Framingham Centre, Mass. Prepared by Rosemary Hall, Greenwich, Conn.
- SELLIGMAN, FRIEDA,
 Group, Economics and Politics and Psychology, 1919-23.
Louisville, Ky. Prepared by the High School, Louisville, by the Louisville Collegiate School, and by the Girton School, Winnetka, Ill.
- SHARPE, PAULINE GARDNER,
 Group, History and Economics and Politics, 1920-23.
Atlantic City, N. J. Prepared by the High School, Atlantic City.
- SHIPLEY, DOROTHEA CAROLINE, . . . *Group, English and Psychology*, 1921-23.
Mt. Airy, Philadelphia. Prepared by the Germantown Friends' School, and by private tuition.
- SHUMWAY, ADELAIDE KATHERINE, . . . *Group, French and History*, 1919-23.
Bryn Mawr, Pa. Prepared by Miss Wright's School, Bryn Mawr. Frances Marion Simpson Scholar, 1919-23.
- SHUMWAY, MARGARET HENDERSON,
 Group, Chemistry and ———, 1921-22, 1923.
Bryn Mawr, Pa. Prepared by Miss Wright's School, Bryn Mawr, Pa.
- SILVEUS, ESTHER, *Group*, ———, 1922-23.
Homestead, Pa. Prepared by the High School, Homestead.

* Mrs. Ernest Chauncey Savage.

- SINDALL, BARBARA JOAN,.....*Group*, ———, 1922-23.
New Brighton, N. Y. Prepared by Dongan Hall, Dongan Hills, S. I., N. Y. Alumnae Regional Scholar, 1922-23.
- SLADE, KATHARINE,.....*Group*, ———, 1922-23.
Cambridge, Mass. Prepared by the Buckingham School, Cambridge, and by the Winsor School, Longwood, Boston, Mass.
- SMITH, ALICE POWELL,
Group, Economics and Politics and Geology, 1919-23.
Stamford, Conn. Prepared by the Low and Heywood School, Stamford, and by the Baldwin School, Bryn Mawr, Pa.
- SMITH, DELIA NICHOLS,.....*Group, History and* ———, 1922-23.
East Orange, N. J. Prepared by the High School, East Orange. New York, New Jersey and Delaware Matriculation Scholar and Alumnae Regional Scholar, 1922-23.
- SMITH, ELIZABETH LANE,.....*Group*, ———, 1921-23.
Lee, Mass. Prepared by Trinity School, Lenox, Mass., and by the Shipley School, Bryn Mawr, Pa.
- SMITH, HELEN LORD,.....*Group, French and History*, 1921-23.
Westfield, Mass. Prepared by the Baldwin School, Bryn Mawr, Pa.
- SMITH, LUCY HARRISON POWERS,.....*Group*, ———, 1922-23.
Richmond, Va. Prepared by St. Catherine's School, Richmond, and by the Shipley School, Bryn Mawr, Pa.
- SMITH, MADELINE,.....*Hearer by Courtesy in Music*, 1923.
Saranac Lake, N. Y. Prepared by Bishop Hopkins Hall, Burlington, Vt., and by the School of Education, University of Chicago. Resident Nurse, 1922-23.
- SMITH, MARGARET VAUGHAN,
Group, Economics and Politics and Psychology, 1920-23.
Philadelphia. Prepared by the Phebe Anna Thorne Model School, Bryn Mawr, Pa., and by the West Philadelphia Girls' High School. Philadelphia City Scholar, 1920-22.
- SOLLERS, DOROTHY,.....*Group, Chemistry and Biology*, 1921-23.
Baltimore, Md. Prepared by the Bryn Mawr School, Baltimore.
- SPACKMAN, BARBARA SPENCER,.....*Group*, ———, 1922-23.
Ardmore, Pa. Prepared by the Phebe Anna Thorne School, Bryn Mawr, Pa.
- SPALDING, MARGARET MARION,.....*Group*, ———, 1922-23.
Detroit, Mich. Prepared by the Liggett School, Detroit, and by the Baldwin School, Bryn Mawr, Pa.
- STEINMETZ, KATHARINE,.....*Group*, ———, 1921-23.
Norfolk, Va. Prepared by the Misses Kirk's School, Bryn Mawr, Pa.
- STEWARTSON, MARGARET,
Group, Economics and Politics and Psychology, 1921-23.
Philadelphia. Prepared by the Bremstead School, Bolton Landing, N. Y., and by the Misses Kirk's School, Bryn Mawr, Pa.
- STEWART, FRANCES DOROTHY,
Group, English and Philosophy and Psychology, 1919-23.
New York City. Prepared by the Brearley School, New York City.
- STOLZENBACH, CHRISTINE RITCHIE,.....*Group, French and Spanish*, 1921-23.
Sewickley, Pa. Prepared by the High School, Sewickley, and by the Misses Kirk's School, Bryn Mawr, Pa.
- STRAUSS, KATHARINE LORD,
Group, English and Philosophy and Psychology, 1919-23.
New York City. Prepared by the Brearley School, New York City.
- STUBBS, ELIZABETH SCHIFFER,.....*Group*, ———, 1922-23.
Wilmington, Del. Prepared by the Misses Hebb's School, Wilmington.

- STURM, SOPHIE WYLER, *Group*, ———, 1922-23.
Cincinnati, O. Prepared by the University School, Cincinnati.
- SULLIVAN, ELINOR LOOMIS, *Group, French and Italian*, 1920-23.
New York City. Prepared by the Brearley School, New York City.
- TALCOTT, MARTHA EVERITT, *Group*, ———, 1922-23.
New York City. Prepared by the Brearley School, New York City.
- TATHAM, REBECCA, *Group, History and History of Art*, 1920-23.
Katonah, N. Y. Prepared by the Brearley School, New York City.
- TATNALL, MARY SWIFT, *Group*, ———, 1922-23.
Wilmington, Del. Prepared by the Misses Hebb's School, Wilmington. Alumnae Regional Scholar, 1922-23.
- TAYLOR, BETTY CHASE, *Group*, ———, 1922-23.
Eastland, Tex. Prepared by the High School, Clarksburg, W. Va., by the High School, Eastland, and by Miss Holley's School for Girls, Dallas, Tex.
- TEFFT, ETHEL GRISWOLD, *Group, English and Italian*, 1920-23.
New York City. Prepared by Miss Spence's School, New York City.
- THOMAS, GROVE ALMA, *Group*, ———, 1922-23.
Cincinnati, O. Prepared by the Hughes High School, Cincinnati. Alumnae Regional Scholar, 1922-23.
- TIERNEY, ANNA HAZARD, *Group*, ———, 1922-23.
London, England. Prepared by the High School, Sydenham, London.
- TINKER, DOROTHY CLARK, *Group, English and Psychology*, 1921-23.
Allentown, Pa. Prepared by the High School, Cumberland, Md., by the High School, Allentown, by the Moravian Academy, Bethlehem, Pa., and by private tuition.
- TOMKINS, KATHARINE AUGUSTA, *Group*, ———, 1922-23.
Tomkins Cove, N. Y. Prepared by Miss Spence's School, New York City, by the Ethel Walker School, Simsbury, Conn., and by the Misses Kirk's School, Bryn Mawr, Pa.
- TUBBY, RUTH PECKHAM, *Group, History and Economics and Politics*, 1920-23.
Westfield, N. J. Prepared by the Hartridge School, Plainfield, N. J. Frances Marion Simpson Scholar, 1920-23.
- TURNER, RUTH MARGARET, *Group, Spanish and History of Art*, 1922-23.
Haverford, Pa. Prepared by the Phebe Anna Thorne School, Bryn Mawr, Pa.
- TUTTLE, ELIZABETH NORRIS, *Group, English and Psychology*, 1920-23.
Bryn Mawr, Pa. Prepared by the Phebe Anna Thorne Model School, Bryn Mawr, Pa.
- TWEDDELL, EDITH GRACE, *Group*, ———, 1922-23.
Great Neck, Long Island, N. Y. Prepared by Kent Place School, Summit, N. J., and by Wykeham Rise, Washington, Conn.
- TYSON, ELIZABETH KEHL, *Group*, ———, 1922-23.
Norristown, Pa. Prepared by the High School, Norristown, by the Misses Kirk's School, Bryn Mawr, Pa., and by private tuition.
- VAN BIBBER, KATHARINE, *Group, Mathematics and Chemistry*, 1920-23.
Bel Air, Md. Prepared by the Bryn Mawr School, Baltimore, Md. Pennsylvania and Southern States Matriculation Scholar and Bryn Mawr School Scholar, 1920-21; James E. Rhoads Sophomore Scholar and Special Scholar, 1921-22; James E. Rhoads Junior Scholar, 1922-23.
- VINCENT, ELIZABETH, *Group, History and Economics and Politics*, 1919-23.
New York City. Prepared by Northrop Collegiate School, Minneapolis, Minn., and by Rosemary Hall, Greenwich, Conn.
- VON HOFSTEN, MARY LOUISE, *Group, French and History*, 1919-23.
Winnetka, Ill. Prepared by the Girton School, Winnetka.

- VOORHEES, LOUISE VAN, *Group, French and ———*, 1921-23.
New York City. Prepared by Miss Chapin's School, New York City, and by Rosemary Hall, Greenwich, Conn.
- WAITE, FRANCES RESOR, *Group, English and French*, 1922-23.
Cincinnati, O. Prepared by the College Preparatory School for Girls, Cincinnati.
- WALKER, HELEN BANCROFT,
..... *Group, Economics and Politics and Psychology*, 1920-23.
Andover, Mass. Prepared by Abbott Academy, Andover.
- WALKER, SUSAN DUDLEY, *Group, ———*, 1922-23.
Bethlehem, Pa. Prepared by the Moravian Preparatory School, Bethlehem, and by the Shipley School, Bryn Mawr, Pa.
- WALLACE, IRENE AMBLER, *Group, History and History of Art*, 1920-23.
Providence, R. I. Prepared by the Mary C. Wheeler School, Providence.
- WALKER, MARTHA NELSON, *Group, ———*, 1922-23.
Nashville, Tenn. Prepared by Rosemary Hall, Greenwich, Conn.
- WALTON, EDITH HOWARD, *Group, Greek and English*, 1921-23.
New York City. Prepared by Miss Chapin's School, New York City.
- WARD, JULIA,
..... *Group, Economics and Politics and Philosophy and Psychology*, 1919-23.
Washington, D. C. Prepared by Miss Madeira's School, Washington.
- WATERBURY, ANNA LIVINGSTON, *Group, ———*, 1921-23.
Portland, Me. Prepared by the Waynflete School, Portland, Me., and by St. Timothy's School, Catonsville, Md.
- WATTS, EMILY PEPPER, *Group, French and ———*, 1921-23.
Washington, D. C. Prepared by Miss Madeira's School, Washington, and by the Shipley School, Bryn Mawr, Pa.
- WEAVER, MARION, *Group, ———*, 1923.
University, Va. Prepared by St. Anne's School, Charlottesville, Va., and by the Dwight School, Englewood, N. J.
- WEST, ELINOR,
..... *Group, Economics and Politics and Psychology*, 1917-21, 1923.
Wynnewood, Pa. Prepared by the Shipley School, Bryn Mawr, Pa., and by Miss Ethel Walker's School, Lakewood, N. J.
- WHITCOMB, MERLE, *Group, Mathematics and Physics*, 1921-23.
Dedham, Mass. Prepared by the Faulkner School, Dedham, and by Miss May's School, Boston, Mass.
- WHITE, MARY LOUISE, *Group, English and History of Art*, 1920-23.
Philadelphia. Prepared by the Germantown Friends' School, Philadelphia, and by the Westtown School, Westtown, Pa.
- WILBUR, ELIZABETH DEAN, *Group, Chemistry and Biology*, 1922-23.
Haverford, Pa. Prepared by the Shipley School, Bryn Mawr, Pa., and by the Phebe Anna Thorne School, Bryn Mawr, Pa.
- WILES, JANET DEMPSTER, *Group, ———*, 1922-23.
New York City. Prepared by Rosemary Hall, Greenwich, Conn.
- WILSON, ELIZABETH MARSHALL, *Group, Spanish and History*, 1921-23.
Cleveland, O. Prepared by the Laurel School, Cleveland.
- WILSON, HELEN VAN PELT, *Group, English and Psychology*, 1919-23.
Moorestown, N. J. Prepared by the Shipley School, Bryn Mawr, Pa.
- WILT, ALICE GIBBS, *Group, English and French*, 1922-23.
Philadelphia. Prepared by the Germantown Friends' School, Germantown, Philadelphia.

- WINTHROP, RUTH MARGARET,.....*Group, French and History, 1921-23.*
 Bryn Mawr, Pa. Prepared by the Lower Merion High School, Ardmore, Pa., and by the
 Misses Kirk's School, Bryn Mawr, Pa. Lower Merion High School Scholar, 1921-22.
- WOLFF, ELSPETH,.....*Group, English and Psychology, 1922-23.*
 La Salle, Ill. Prepared by the La Salle-Peru Township High School, La Salle, and by the
 University School for Girls, Chicago, Ill.
- WOOD, SARAH,.....*Group, Mathematics and Chemistry, 1920-23.*
 Dingmans Ferry, Pa. Prepared by the Milford High School, Milford, Pa., and by private
 tuition.
- WOODWORTH, ALLEGRA,.....*Group, History and ———, 1921-23.*
 Philadelphia. Prepared by the Philadelphia High School for Girls. Trustees' Scholar,
 1920-23; Second Maria Hopper Sophomore Scholar, 1922-23.
- WOODWORTH, MARY KATHARINE,....*Group, Greek and English, 1920-23.*
 Philadelphia. Prepared by the Philadelphia High School for Girls. Philadelphia City
 Scholar, 1920-23; Maria Hopper Sophomore Scholar and Special Maria Hopper Sopho-
 more Scholar, 1921-22; Mary E. Stevens Junior Scholar, 1922-23.
- WYLIE, MARGARET,.....*Group, ———, 1922-23.*
 Washington, D. C. Prepared by the Holton-Arms School, Washington.
- YEN, THEODORA CHULI,.....*Group, ———, 1922-23.*
 Shanghai, China. Prepared by the Cathedral School, Washington, D. C., and by St.
 Hilda's Hall, Charlestown, W. Va.
- YOUNG, ELIZABETH SCHRANTZ,.....*Group, ———, 1922-23.*
 Decatur, Ill. Prepared by Miss Spence's School, New York City.
- YOUNG, ELLEN SUDDERS,.....*Group, Mathematics and Physics, 1922-23.*
 Rosemont, Pa. Prepared by the Girls' High School, Philadelphia. Frances Marion
 Simpson Scholar and Pennsylvania State Scholar, 1922-23.

SUMMARY OF STUDENTS.

	Total for Year.
Class of 1923.....	79
Class of 1924.....	75
Class of 1925.....	87
Class of 1926.....	127
Class of 1927.....	2
Hearers,.....	4
	— 374
Resident Fellows,.....	14
Graduates,.....	89
	— 103
Total.....	477

BRYN MAWR COLLEGE.

BRYN MAWR COLLEGE was founded by Dr. Joseph W. Taylor, *Introductory Statement.* of Burlington, New Jersey, who died January 18th, 1880. By his will he left the greater portion of his estate for the purpose of establishing and maintaining an institution of advanced learning for women. The college is situated in the suburbs of Philadelphia, at Bryn Mawr, Pennsylvania, five miles to the west of the city. The site was purchased by the founder on account of its healthfulness and beauty, and the college buildings were begun during his lifetime. In 1880, the year of his death, the college was incorporated by the authority of the State of Pennsylvania, and invested with power to confer degrees. A circular of information was issued by the trustees in 1883. A president and a dean of the faculty were elected in the spring of 1884, and during the remainder of the year plans were matured and appointments made in the faculty. The courtesy of the presiding officers and instructors of existing universities and colleges facilitated an acquaintance with the prevailing college curriculum, and the domestic organisation of the women's colleges, Vassar, Smith, and Wellesley, received careful consideration. To the Johns Hopkins University acknowledgment is especially due, since from it has been borrowed the system of major and minor electives in fixed combination to which Bryn Mawr College first gave the name of the Group System. In the spring of 1885 the first catalogue was issued, and the college was opened for instruction in the autumn of 1885.

Three classes of persons are admitted to the lectures and class work of the college—graduate students, undergraduate students, and hearers. *Admission.*

Graduate students must have presented a diploma from some college of acknowledged standing. They may pursue any courses offered by the college for which their previous training has fitted them; but they must satisfy the several instructors of *Graduate Students.*

their ability to profit by the courses they desire to follow, and may be required to pursue certain introductory or auxiliary studies before they are admitted to the advanced or purely graduate courses.* They are, moreover, entitled to personal guidance and direction, supervision of their general reading and furtherance of their investigations, from the instructors, and their needs are considered in the arrangement of new courses of lectures.

*Fellows
and
Scholars.*

The most distinguished place among the graduate students is held by the fellows and graduate scholars, who must reside in the college during the academic year. Five European travelling fellowships, twenty-two resident fellowships and thirty-five graduate scholarships are awarded annually. The conditions of the award and the duties of holders of fellowships and scholarships are stated on pages 211 to 217.

*Under-
graduate
Students.*

Undergraduate students must have fulfilled the requirements for matriculation, stated on pages 169-183, and may enter the college at any age at which those requirements have been fulfilled. The studies leading to the degree of Bachelor of Arts are stated on pages 184-193.

Those students who do not wish to study for a degree are permitted to pursue any undergraduate courses offered by the college for which their previous training has fitted them; they will, in the event of a change of plan, be credited with such of their studies as may have coincided with the studies leading to a degree. Attention is called to the fact that the Group System enables all candidates for a degree to specialise in two or more subjects.

Hearers.

Hearers are excused from passing the matriculation examination; but they are strictly distinguished from matriculated students, and are entitled to reside in the college only when by so doing they exclude no matriculated student, and when the courses pursued by them are equivalent in number to those ordinarily pursued in each year by candidates for a degree.

* For the convenience of graduate students the courses offered in the graduate departments of the college are reprinted from this in a separate part of the calendar, Part 2, Graduate Courses, which may be obtained free of charge by applying to the Secretary and Registrar of the College.

They must be women of at least twenty-five years of age, and must furnish proof that they have at some time pursued the studies included in the matriculation examination. They must satisfy the several instructors that they can profit by the courses that they desire to follow, and their admission to recitations, examinations, and laboratory exercises depends on the express consent of the instructor in charge. Hearers differ, moreover, from matriculated students in that they are not recognised by the college, and may receive only such certificates of collegiate study as may be given them by the several instructors. They may not receive degrees.

All candidates for the degree of Bachelor of Arts must elect their courses in accordance with the Group System, and an understanding of the principles of the system is necessary for an intelligent selection of courses.

*The
Group
System.*

In all fully organised departments there is a course of five hours a week for two years, called a Major Course. Whenever one year of this course is of such a nature that it may be taken separately, it is designated as a Minor Course. Every candidate for a degree is required to take two such major courses as shall be homogeneous, or shall complete each other, and two major courses which fulfil this condition are designated a Group. The object of this system is to enable the student to acquire the foundations of a specialist's knowledge; and the Required Courses, namely, English (two years), philosophy and science, and an ancient language are intended in part to supplement the Group, and in part to insure a more liberal training than could be obtained if every student combined elective studies at pleasure.

*Major
Course.*

The required two years' course in English serves as a general introduction to the study of language and comparative literature. The required year in science permits the student of chemistry and biology to pursue an advanced course in one of these branches, or to take a minor course in physics; and gives, for one year at least, to the student of history and literature the same kind of instruction and discipline as is received by the scientific student. The one year's course in philosophy and psychology is a general introduction into the study of the laws, conditions, and history of thought.

*Required
Courses.*

Post-Major Courses. In almost all departments post-major courses, truly advanced courses which answer to graduate courses in many colleges, are organised and may be elected by students that have completed the major, or group, work in the subject.

Free Elective Courses All minor courses that do not presuppose required courses may be elected by any student, and special free elective courses of one, two, or three hours a week, are offered in many departments.

Courses of Study. There are offered each year to undergraduates major courses of five hours a week, for two years, in the following subjects: Greek, Latin, English, French, Italian, Spanish, German, Modern History, Economics and Politics, Philosophy, Psychology, Classical Archæology, History of Art, Mathematics, Physics, Chemistry, Geology, and Biology; and elective courses in the above and in Biblical Literature, Experimental Psychology, Education, and Theoretical Music.

Graduate courses are offered in Sanskrit and comparative Philology, Greek, Latin, English Philology including Anglo-Saxon, Early and Middle English, English Literature, Modern and Old French, Italian, Spanish, and other Romance Languages, German Literature, Gothic, Teutonic Philology, Old Norse, Old High German, Middle High German, Old Saxon, Hebrew, Aramaic, Assyrian, Biblical Literature, History, Economics and Politics, Social Economy and Social Research, Philosophy, Psychology, Education, Classical Archæology, History of Art, Theoretical Music, Mathematics, Physics, Chemistry, Physical Chemistry, Geology, Mineralogy, Palæontology, Morphology, and Physiology.

Courses in Language and Literature. The courses in language and literature are meant, first of all, to be complete in themselves and extensive enough to meet the needs of special students, and secondly, to facilitate the study of comparative philology or of comparative literature.

Courses of parallel reading are required of all students of language and literature, precisely as laboratory work is required of the students of chemistry or biology; these courses are intended to acquaint the students with the works of numerous authors, and it is especially hoped that students of Greek and Latin, will, by this means, accustom themselves to read these languages without assistance.

The courses in ancient and modern languages are of equal difficulty, and are placed on a footing of equality. The traditional separation between ancient and modern languages has been disregarded, because, although strictly classical students may always be inclined to combine Greek and Latin, there is, nevertheless, no modern literature of which the study may not fitly be preceded, or supplemented, by the study of Latin or Greek.

The Professors or Associates appointed are the recognised heads of their departments, and only such instructors have been chosen as are qualified to direct both graduate and undergraduate work.

The undergraduate and graduate courses offered in the years 1922-23 and 1923-24 are as follows: *Courses of Instruction.*

Sanskrit, Greek and Latin.

Professors and Instructors: Dr. Wilmer Cave Wright, Dr. Arthur Leslie Wheeler, Dr. Henry Nevill Sanders, Dr. Mary Hamilton Swindler, Dr. Susan Helen Ballou, and Miss Abby Kirk.

Exceptional facilities for the study of all departments of classical philology are offered by the large classical library owned by the college. The greater part of this library is formed by the well-known collection of the late Professor Hermann Sauppe, of Göttingen, which was acquired in 1894. This has been supplemented by purchases made by the college library, so that the classical library now numbers some eight thousand volumes, including complete sets of most of the important journals, and about seven thousand dissertations and monographs.

Sanskrit and Comparative Philology.

The instruction in this department is under the direction of a non-resident lecturer in Comparative Philology.

GRADUATE COURSES.

Comparative Philology and Philological Seminary.

Two hours a week throughout the year.

Graduate Courses.

Students entering this seminary are expected to be familiar with German and French; a short preliminary course in Sanskrit is also of great aid to the student. The lectures on comparative philology treat of the connection of the Greek and Latin languages with the related languages of the Aryan group, first, phonetically, secondly, from the point of view of grammatical forms, and lastly, from the point of view of syntax. In the first part of

the course, which covers what during the past years has been the field of the most active research, the student is introduced to the latest theories and discoveries in Aryan phonetics, and is expected to read and criticise the articles appearing from time to time in the philological journals, and to prepare reports on these articles. The same method is pursued during the investigation of the history of forms; and in the third part of the course the student begins the study of comparative syntax by a close comparison of the use of cases and verbal forms in Sanskrit, Greek, and Latin.

Elementary Sanskrit.

Two hours a week throughout the year.

Whitney's *Grammar* is used, and the classical selections from Lanman's *Reader* are read. Lectures are given on the phonology and morphology of Sanskrit.

The courses in Comparative Philology and in Elementary Sanskrit will not, as a rule, be given in the same year.

Second Year Sanskrit.

One or two hours a week throughout the year.

The Vedic selections in Lanman's *Reader* are read, with some additional hymns from the *Rigveda*. Selections from the classical literature are read at sight. Exercises in etymology are given to supplement the lectures on the phonology. The courses in Elementary and Second Year Sanskrit will not in general be offered in the same year.

Seminary in Advanced Sanskrit.

Two hours a week throughout the year.

Selected texts are read: the *Bhagavad-Gītā*; Kālidāsa's *Çakuntalā*, Acts I and II, with a careful study of the Prākṛit; selected hymns of the *Atharvaveda*. During the second semester the course is conducted as a seminary, with use of the native commentaries.

Greek.

The instruction in this department is under the direction of Dr. Henry Nevill Sanders, Professor of Greek; Dr. Wilmer Cave Wright, Professor of Greek, and Miss Abby Kirk, Reader in Elementary Greek. The instruction offered in Classical Greek covers twenty-eight hours of lectures and recitations a week, apart from courses in Classical Archæology; it includes five hours a week of Elementary Greek; ten hours a week of undergraduate major and minor work; two hours a week of free elective; five hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in Greek; and six hours a week of graduate work.

Elementary Course.

A course of five hours a week throughout the year is provided for those students that wish to study Greek and whose examination for matriculation did not include it. Grammar and Composition are studied. Xenophon's *Anabasis* or *Memorabilia* and selections from Homer are read. Students may substitute for this course the minor, or first year's course in Latin. Either the elementary course in Greek or the minor course in Latin is required of all candidates for the degree of Bachelor of Arts that have not passed the matriculation examination in Greek. This course is given by Miss Kirk under the direction of Dr. Wright.

In 1923-24 and in 1924-25 an elective elementary course of two hours a week during the first semester in Homer will be given by Miss Kirk for

students who have offered the two-point Greek examination in Grammar and Composition and Prose Authors in order to prepare them to enter the minor course in Greek.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Plato, *Apology* and *Crito* or *Protagoras* or *Phædo*, and Greek Prose Composition, Dr. Sanders. *Major Course.*
Two hours a week.

Sophocles, *Antigone*, Dr. Sanders. One hour a week.

Homer, *Odyssey*, Dr. Wright. Two hours a week.

(May be taken as a free elective.)

The Greek courses may not be offered for examination for advanced standing without class attendance.

Private reading: Euripides, *Alcestis*, ll. 1 to end must be read by students taking the five-hour course; Euripides, *Alcestis*, ll. 1-475 must be read by students taking the course in Homer only; Sophocles, *Philoctetes*, ll. 1-728 must be read by students taking the courses in Plato and in Greek Prose Composition, omitting the course in Homer. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

2nd Semester.

Euripides, *Medea*, and Greek Prose Composition, Dr. Sanders.

Two hours a week.

Herodotus, Dr. Sanders.

One hour a week.

Homer, *Iliad*, Dr. Wright.

Two hours a week.

(May be taken as a free elective.)

The Greek courses may not be offered for examinations for advanced standing without class attendance.

Private reading: Sophocles, *Philoctetes*, ll. 1-1080 and 1218-1313 must be read by students taking the five-hour course; Euripides, *Alcestis*, ll. 476-961 must be read by students taking the course in Homer only; Sophocles, *Philoctetes*, ll. 729 to end must be read by students taking the courses in Euripides and Greek Prose Composition, omitting the course in Homer. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses.

SECOND YEAR

1st Semester.

(Given in each year.)

Demosthenes, Dr. Sanders.

Two hours a week.

Work in Greek prose composition is given in connection with this course.

Aristophanes, Dr. Sanders.

One hour a week.

History of Greek Literature, Ionio-Dorian and Attic periods, Dr. Wright.

Two hours a week.

Students who have not taken the work of the minor course are admitted to the course in History of Greek Literature as a free elective, and are not required to do the private reading.

Private reading: Æschylus, *Prometheus Vincitus*, ll. 1 to end must be read by students taking the five-hour course; Æschylus, *Persæ*, ll. 1-680 must be read by students taking the courses in Demosthenes and Aristophanes, omitting the course in Greek literature; Æschylus, *Prometheus Vincitus*, ll. 1-436 must be read by students taking the course in Greek literature, omitting the courses in Demosthenes and Aristophanes. Examinations

on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses, except those taking the course in Greek literature as an elective.

2nd Semester.

Thucydides, Dr. Sanders.

Two hours a week.

Work in Greek prose composition is given in connection with this course.

Sophocles, Dr. Sanders.

One hour a week.

History of Greek Literature, Attic, Alexandrine, and Græco-Roman periods, Dr. Wright.

Two hours a week.

Students who have not taken the work of the minor course are admitted to the course in History of Greek Literature as a free elective, and are not required to do the private reading.

The second year's work of the major course may be divided so as to cover a period of two years; but if elected for the first semester, the lectures on literature must be elected for the second semester also. The lectures on Demosthenes and Thucydides and the one-hour courses in Aristophanes and Sophocles may not be elected separately.

Private reading: *Æschylus, Persæ* ll. 1 to end must be read by students taking the five-hour course; *Æschylus, Persæ*, ll. 681 to end must be read by students taking the courses in Thucydides and Sophocles, omitting the course in Greek literature; *Æschylus, Prometheus Vincit*, ll. 437-876 must be read by students taking the course in Greek literature, omitting the courses in Thucydides and Sophocles. Examinations on the private reading must be taken at the scheduled time during the semester by all students pursuing the Greek courses, except those taking the course in Greek literature as elective.

Group: Greek with any language, or with Philosophy, or with Philosophy and Psychology, or with Psychology, or with Classical Archæology, or with Mathematics.

FREE ELECTIVE COURSES.

Free Elective Courses.

Greek Religion and Greek Myths, Dr. Wright.

Two hours a week throughout the year.

(Given in each year.)

This course is supplementary to Greek and English literature and to Oriental and Classical Archæology and treats of the development of Greek religion, the attributes of the Olympian Gods, such as Zeus and Apollo, their ritual, and the influence on literature of Greek myths. This course may be offered as part of the minor course in Ancient History, or as part of the minor course in Classical Archæology, and may be entered in the second semester.

Minor courses, amounting to ten hours a week which may be taken as free electives, are offered in Classical Archæology. See pages 118 to 119.

POST-MAJOR COURSES.

Post- Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. No student that has not completed the equivalent of the minor and major courses in Greek is admitted to any post-major course in Greek.

In 1922-23 the following post-major courses are offered:

1st Semester.

Minor Orations of the Attic Orators, Dr. Sanders.

Two hours a week.

Sophocles, *Ædipus Coloneus*, Dr. Sanders.

One hour a week.

Melic Poets, Dr. Wright.

Two hours a week.

2nd Semester.

Æschylus, <i>Agamemnon</i> , Dr. Sanders.	<i>Two hours a week.</i>
Greek Prose Composition and the Evolution of Style, Dr. Sanders.	<i>One hour a week.</i>
Plato, <i>Republic</i> , Dr. Wright.	<i>Two hours a week.</i>

In 1923-24 the following post-major courses are offered:

1st Semester.

Æschylus, <i>Eumenides</i> , Dr. Sanders.	<i>Two hours a week.</i>
Sophocles, <i>Trachiniæ</i> , Dr. Sanders.	<i>One hour a week.</i>
Theocritus, Dr. Wright.	<i>Two hours a week.</i>

2nd Semester.

Greek Rhetoricians and Prose Composition, Dr. Sanders.	<i>One hour a week.</i>
Bacchylides, Dr. Sanders.	<i>One hour a week.</i>
Euripides, <i>Bacchæ</i> , Dr. Sanders.	<i>One hour a week.</i>
Æschylus, <i>Septem</i> , or Lucian, Dr. Wright.	<i>Two hours a week.</i>

In 1924-25 the following post-major courses are offered:

1st Semester.

Æschylus, <i>Oresteia</i> , Dr. Sanders.	<i>Two hours a week.</i>
Fourth Century Critics, Dr. Sanders.	<i>One hour a week.</i>
Palatine Anthology, Dr. Wright.	<i>Two hours a week.</i>

2nd Semester.

Pindar, Dr. Sanders.	<i>Two hours a week.</i>
Sophocles, <i>Electra</i> or Euripides, <i>Electra</i> , Dr. Sanders.	<i>One hour a week.</i>
Sophocles, <i>Ajax</i> , Dr. Wright.	<i>Two hours a week.</i>

GRADUATE COURSES.

Six hours a week of seminary work are offered each year to graduate students of Greek, accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to five hours a week may be elected by graduates. **Graduate Courses.**

The graduate courses in Greek are varied from year to year in two series, Attic Tragedy, Orators, and Historians, and the Homeric Question, Plato, Aristophanes and Greek Sophists, in order that they may be taken in consecutive years. Students electing Greek as a major subject for the degree of Doctor of Philosophy must offer not less than two seminaries and the journal club for two years and if Greek be also elected as the associated minor the candidate must offer two seminaries and the journal club for three years. A list of approved associated minors and independent minors is given in the Regulations of the Academic Council. A large part of the work expected of graduate students consists of courses of reading pursued under the direction of the department, and reports on

this reading are from time to time required of the students. A reading knowledge of French and German is required. The course in Comparative Philology is recommended to graduate students of Greek. For graduate courses in Classical Archaeology, which may be offered as an associated or independent minor by students taking Greek as a major for the degree of Doctor of Philosophy, see page 120.

Greek Seminary, Dr. Sanders.

Three hours a week throughout the year.

(Given in each year.)

In 1922-23 Greek Orators are studied in the seminary. The work consists of the reading of large portions of all the orators and the critical interpretation of a selected part of each. Lectures are given on legal antiquities, the syntax, and the style of the various authors, in conjunction with which Dionysius of Halicarnassus and the Greek rhetoricians are studied. The later rhetoricians are treated and their criticism of antiquity investigated. Students are expected to provide themselves with the Teubner text editions of Antiphon, Andocides, Lysias, Isocrates, Isæus, Æschines, Hyperides, and Demosthenes. The classical library is well equipped with works on the orators.

In 1923-24 Greek historians will be the main subject of the seminary. Thucydides is studied in detail and reports are made on data of history contained in Greek literature in general. Lectures are given by the instructor on subjects connected with Greek historiography, such as the composition of Thucydides's history, the syntax and style of Thucydides, the history of early prose, Greek historical inscriptions.

In 1924-25 Attic Tragedy will be the subject of the seminary. The work of the seminary in textual criticism will be devoted to Sophocles. Members of the seminary report on assigned subjects and give critical summaries of current classical literature.

Greek Seminary, Dr. Wright.

Two hours a week throughout the year.

(Given in each year.)

In 1922-23 Aristophanes is the subject of the seminary. The aim of the seminary is to make the students familiar with the more important Aristophanic literature up to the present day. Portions of the text are interpreted by the class and reports on assigned topics, literary, historical, and archaeological, connected with the plays are expected from all the members. All the comedies of Aristophanes are read in the course of the year; lectures are given by the instructor on the metres and syntax of Aristophanes, on the dramatic structure of the plays and on the history of Attic comedy. Part of the work consists of analyses of dissertations on Aristophanes which are presented by members of the class. Every member of the class should provide herself in advance with a complete text of Aristophanes. The Clarendon Press (Oxford) edition is recommended.

In 1923-24 Plato will be the subject of the seminary. The work is mainly literary and critical. Lectures on the style, philosophy, and chronology of the dialogues are given by the instructor; a detailed interpretation of a portion of Plato, and reports on topics set for discussion are given by the class. The students are expected to read the *Republic*, *Theætetus*, *Parmenides*, and *Sophist* and discuss certain problems arising from these dialogues. The aim of the course is to lay a foundation for independent work by familiarizing the students with the achievements of scholarship and the general field of Platonic literature up to the present day. Every member of the seminary should provide herself in advance with a complete text of Plato. The Clarendon Press (Oxford) edition is recommended.

In 1924-25 the Homeric Question will be the subject of the seminary in the first semester; the work consists of a review of the discussions of the Homeric poems since the publication of Wolf's *Prolegomena*. The various tests that have been applied to the poems by archaeologists, linguists, historians of myths, and æsthetic critics are taken up and criticized in detail.

Greek Sophists of the Fourth Century A. D. will be the subject of the seminary in the second semester. The works of the Emperor Julian, Libanius and others will be read and discussed. Lectures and reports will be given on the literary movements of the second, third and fourth centuries A. D.

Greek Journal Club, Dr. Sanders and Dr. Wright.

One and a half hours once a fortnight throughout the year.

The instructors and the advanced students meet to report on and discuss recent articles and books.

Latin.

The instruction in this department is under the direction of Dr. Arthur Leslie Wheeler, Professor of Latin; Dr. Mary Hamilton Swindler, Associate in Latin and Archæology, and Dr. Susan Helen Ballou, Associate in Latin. The instruction offered in Latin covers twenty-three hours of lectures and recitations a week, and includes ten hours a week of undergraduate major and minor work; seven hours a week of post-major work open only to graduates and to undergraduates that have completed the major course in Latin; and six hours a week of graduate work.

FIRST YEAR.

(*Minor Course.*)*

1st Semester.

(*Given in each year.*)

Cicero, *Letters*, Dr. Wheeler, Dr. Swindler.

Three hours a week

**Major
Course.**

Horace, *Selected Odes and Epodes* Dr. Swindler and Dr. Ballou.

Two hours a week.

(May be taken as a free elective.)

The class is divided into two sections, each assigned to a different instructor in the first and in the second semester.

Private reading: Sallust's *Catilina* must be read during the first semester by students taking the five-hour course. Students taking the course in Horace only must read one half of the *Catilina* in each semester, while those taking the three-hour course in Cicero only read one-half of Livy I (selections) in each semester.

2nd Semester.

Terence, *Adelphoe*, Plautus, *Trinummus*, and Petronius, *Cena Trimalchionis*, Dr. Wheeler, Dr. Swindler.

Three hours a week.

Selections from Catullus, Horace, *Satires* and *Epistles*, and Vergil, *Eclogues*, Dr. Swindler and Dr. Ballou.

Two hours a week.

(May be taken as a free elective.)

Private reading: Livy I (selections) must be read by students taking the five-hour course. Livy I (selections) (second half) must be read by students taking the course in Terence only. Sallust, *Catilina* (second half) must be read by students taking the course in Horace only.

* For regulations regarding the passing off of the Minor Latin, see footnote, page 167.

SECOND YEAR.

1st Semester.

(Given in each year.)

Tacitus, *Annals*, Dr. Wheeler.

Three hours a week.

The reading is devoted chiefly to those parts of *Books i-vi* bearing on the character of Tiberius, a study of which forms one of the main objects of the course. Other important topics are Tacitus's method as a historian, his style as a writer, the peculiarities of "Silver" Latin, etc. Several lectures are given on these and other subjects.

Lectures on Latin Literature, Dr. Ballou.

Two hours a week.

The lectures in this course treat the history of Latin Literature from its earliest beginnings down to the end of the second century of the Christian era, including all the authors from whose writings any important remains have been preserved. The libraries in each hall contain texts of the most important authors and extensive reading is required.

No student is admitted to any part of the major course in Latin who has not completed the work of the minor course. The major courses may not be offered for examination for advanced standing without class attendance.

Private reading: Suetonius, *Tiberius* must be read by students taking the five-hour course; Tacitus, *Agricola* (first half) must be read by students taking the course in Tacitus only; Suetonius, *Tiberius* (first half) must be read by students taking the course in Latin Literature only.

2nd Semester.

Latin Comedy, Plautus, Dr. Wheeler.

Three hours a week.

The origin, development, and characteristics of Roman comedy are studied. Much attention is devoted to the peculiarities of archaic and colloquial Latin and to the reading of the simpler metres. Such topics as the theatre, stage, and actors receive special treatment in lectures. Four or five plays and selected epigrams are read in class.

Lectures on Latin Literature (continued), Dr. Ballou.

Two hours a week.

The second year's work of the major course may be divided so as to cover a period of two years; but if elected for the first semester, the lectures on literature must be elected for the second semester also.

No student is admitted to any part of the major course in Latin who has not completed the work of the minor course. The major courses may not be offered for examination for advanced standing without class attendance.

Private reading: Tacitus, *Agricola* must be read by students taking the five-hour course; Tacitus, *Agricola* (second half) must be read by students taking the course in Latin Comedy; Suetonius, *Tiberius* (second half) must be read by students taking the course in Latin Literature only.

Group: Latin with any language, or with Philosophy, or with Classical Archæology, or with Mathematics.

POST-MAJOR COURSES.

**Post
Major
Courses.**

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. No student that has not completed the minor and major courses in Latin is admitted to any post-major course in Latin.

In 1922-23 and again in 1924-25 the following post-major courses are offered:

1st Semester.

Roman Elegy, Dr. Wheeler.

Two hours a week.

An effort is made to trace historically the development of this branch of poetry among the Romans. Selections from Catullus, Tibullus, Propertius, and Ovid are read and the readings are supplemented by occasional lectures. Special attention is devoted to the structure and reading of the elegiac distich and to the characteristics of Roman poetic diction. Each student is required to prepare papers on assigned topics in each semester.

The Life and Works of Vergil, Dr. Ballou.

Three hours a week.

The *Bucolics*, portions of the *Georgics* and some of the minor poems are read and discussed.

Latin Prose Composition, Dr. Ballou.

Two hours a week.

This course is especially recommended to students who intend to teach Latin. It meets one hour a week, the remaining hour being given to interviews and individual work.

2nd Semester.

Roman Elegy (continued), Dr. Wheeler.

Two hours a week.

Roman Prose of the Empire, Dr. Ballou.

Three hours a week.

Selections from Velleius, Petronius, Pliny, Tacitus, Suetonius, Apuleius and Minucius Felix are read.

Latin Prose Composition (continued), Dr. Ballou.

Two hours a week.

In 1923-24 and again in 1925-26 the following post-major courses are offered:

1st Semester.

Roman Satire, Dr. Wheeler.

Two hours a week.

The subject is treated historically in order to give an outline of the origin and development of Satire. The class reads selections from Horace, Persius, Seneca, Petronius, and Juvenal, together with some of the fragments of Ennius, Lucilius, and Varro. The readings are supplemented by occasional lectures. Each student is required to prepare papers on assigned topics in each semester.

Lucretius and Catullus, Dr. Ballou.

Three hours a week.

Selections from the *De Rerum Natura* and from the lyrics of Catullus are read.

Latin Prose Composition, Dr. Ballou.

Two hours a week.

This course is especially recommended to students who intend to teach Latin. It meets one hour a week and one hour is given to interviews and individual work.

2nd Semester.

Roman Satire (continued), Dr. Wheeler.

Two hours a week.

Latin Prose Composition (continued), Dr. Ballou.

Two hours a week.

The Latin Essay, Dr. Ballou.

Three hours a week.

Selections from Horace's literary epistles will be followed by the minor works of Tacitus.

GRADUATE COURSES.

Six hours a week of seminary work are offered each year to graduate students of Latin accompanied by the direction of private reading and original research. The books needed by graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to seven hours a week may be elected by graduates.

**Graduate
Courses.**

The graduate work in Latin is conducted according to the seminary method, and is intended not only to broaden the student's knowledge, but also to teach methods of work. The graduate courses in Latin are varied from year to year: Roman Lyric Poetry, Elegy, and Comedy, and Latin Epigraphy and Palæography, Roman Historiography, and Cicero's Correspondence. Students electing Latin as a major subject for the degree of Doctor of Philosophy must offer not less than two seminars and the journal club for two years and if Latin be also elected as the associated minor the candidate must offer two seminars and the journal club for three years. A list of approved associated and independent minors is given in the Regulations of the Academic Council. It is desirable that all students who intend to do advanced work in Latin should have some knowledge of Greek. A reading knowledge of French and German is also necessary.

Latin Seminary, Dr. Wheeler.

Three hours a week throughout the year.

(Given in each year.)

In 1922-23 Roman Lyric in the Period of the Republic is the subject of the seminary. After a rapid survey of the fragmentary lyric remains of the predecessors and contemporaries of Catullus, the poems of Catullus himself are studied in detail. Students should have *Catulli carmina* (Oxford text, 1904), edited by Robinson Ellis, and either the same scholar's *Commentary on Catullus*, Oxford, Clarendon Press, 1889 (second edition), or G. Friedrich's *Catulli Veronensis liber*, Leipsic and Berlin, 1908 (Teubner).

In 1923-24 Roman Elegy as represented by Tibullus, Propertius, and Ovid will be the subject of the seminary. In addition to a careful study of selected poems an effort is made to trace the history of elegy among the Romans. The various topics connected with the subject are treated in detail as far as time permits, and the students are encouraged to familiarize themselves with the best literature in editions, periodicals, and dissertations. The texts recommended are the Oxford Clarendon Press editions of Catullus and Tibullus, edited by Ellis and Postgate, and the Leipsic (Teubner) text of Propertius, edited by C. Hosius, 1911. The best commentaries are Kirby Smith's *The Elegies of Tibullus*, New York, 1913 (American Book Co.), and M. Rothstein's *Die Elegien des Sextus Propertius*, Berlin, 1898 (Weidmann). For Catullus see Roman Lyric.

In 1924-25 Latin Comedy will be the subject of the seminary. All the plays of Plautus and Terence are read by the students; single plays form the basis of special work on the language, text, metres, etc. Students should provide themselves with the text edition of Plautus, edited by Goetz and Schoell, Leipsic, Teubner, 1892-1904, or that of W. M. Lindsay, Oxford, 1903-04, and with Dziatzko's text of Terence, Leipsic, Tauchnitz, 1884. The plays of Plautus, annotated by Brix, Leipsic, Teubner, 1901-12, and by Lorenz, Berlin, Weidmann, 1876-86, and the plays of Terence, annotated by Dziatzko (revised by Hauler), 1898 and 1913 (Teubner), and by Spengel, 1879 and 1905 (Weidmann), are also recommended. *P. Terenti Afri Commoedæ*, edited by S. G. Ashmore, Oxford University Press, New York, 1908, is a convenient commentary.

Latin Seminary, Dr. Ballou.

Two hours a week throughout the year.

(Given in each year.)

In 1922-23 Cicero's correspondence is the subject of the seminary. An effort is made to master typical textual and linguistic problems presented by this text, and special attention is paid to Roman administration and political conditions during the last years of the Republic.

In 1923-24 the subject of the seminary will be Roman Historiography. The development of the writing of history at Rome will be studied chronologically from the early annalists and Cato to Ammianus Marcellinus in the fourth century. Selections from representative historians will be read and reports made on their methods and style.

In 1924-25 Latin Epigraphy and Palæography will be the work of the seminary. Students will learn to use the Corpus Inscriptionum and to make investigations and reports

upon various subjects concerned with Roman public and private life. For the latter part of the course, the facsimiles in the collections of Chatelain, Zangemeister and Wattenbach, and Arndt are used for acquiring facility in reading the more important Roman and mediæval literary hands; and photographic reproductions of works of classical authors form the basis for practical exercises in collation and in the application of paleographic principles to text criticism.

Latin Journal Club, Dr. Wheeler, Dr. Swindler and Dr. Ballou.

One and a half hours once a fortnight throughout the year.

The instructors and the advanced students meet to report on and discuss recent articles and books.

MODERN LANGUAGES.

Professors and instructors: Dr. Fonger DeHaan, Miss Lucy Martin Donnelly,* Dr. Carleton Brown, Dr. Regina Katharine Crandall, Dr. Eunice Morgan Schenck, Dr. Samuel Claggett Chew, Dr. Howard James Savage,† Mr. Samuel Arthur King, Miss Marcelle Pardé,‡ Dr. Eduard Prokosch, Mr. Claude Gilli, Dr. Walter Llewellyn Bullock, Dr. Helen Sard Hughes, Miss Marthe Jeanne Trotain, Mrs. Helene Buhlert Bullock, Miss Marguerite Capen Hearsey, Miss Frances Higginson Fuller, Miss Helen Belle Smith, Miss Anna Schafheitlin, and Miss Jane Perry Clark.

English.

The instruction in this department is under the direction of Miss Lucy Martin Donnelly,* Professor of English, Dr. Carleton Brown, Professor of English Philology, Dr. Regina Katharine Crandall, Professor of English Composition, Dr. Samuel Claggett Chew, Professor of English Literature, Dr. Howard James Savage,† Associate Professor of English and Director of the Work in English Composition, Mr. Samuel Arthur King, Non-resident Lecturer in English Diction, Dr. Helen Sard Hughes, Lecturer in English Literature, Mrs. Helene Buhlert Bullock, Miss Marguerite Capen Hearsey and Miss Frances Higginson Fuller, Instructors in English, and Miss Jane Perry Clark, Reader in English, and Miss Marjorie L. Thompson, Instructor (elect) in English.

* Granted sabbatical leave of absence for the year 1922-23. The courses announced by Professor Donnelly are given by Dr. Helen Sard Hughes.

† Granted sabbatical leave of absence for the year 1923-24. Mrs. Helene Buhlert Bullock will be in charge for the year of the courses in first and second year English Composition.

‡ Granted leave of absence for the year 1922-23.

The instruction offered in English covers forty-six hours of lectures and recitations a week, and includes two years of lectures on literature and language required of every candidate for the Bachelor's degree; two years of Minor and Major English, which presuppose as much information as is contained in the required course, and may be elected in combination with the major course in any other language, or with philosophy, or with philosophy and psychology, or as a free elective; eight hours a week of free elective work; one hour a week of elective courses in English diction, and graduate courses in English literature, Composition, Anglo-Saxon, and Early and Middle English.

**Required
Course.**

The required course consists of lectures on literature and language, in which the history of English literature is regarded as far as possible from the point of view of European literature generally; a study of the principles of English composition with constant practice in writing; and courses of private reading, which are meant to familiarise the student with English authors. The instruction in English composition is given in three ways: in introductory lectures, in written corrections on papers written by the students, and in conferences between the instructors and students. The course in English composition, though not connected with the lectures on literature and language, may not be elected separately. The courses are required to be taken in the order given below. The first year course must be completed before the second year course is taken and English Composition, Part I, must precede the first year lectures on the History of English Literature. The second year course in History of English Literature must precede the course in English Composition, Part II.

FIRST YEAR.

1st Semester.

(Given in each year.)

General English Composition, Part I, Dr. Savage,* Mrs. Bullock, Miss Hearsey, Miss Fuller.

Four hours a week.

For the most part, the course is concerned with a rapid survey of the elements of usage and discourse, and with the study of exposition, argument, and allied topics and forms. Some attention is paid to oral composition. The written work consists of papers both short and long and various exercises. Conferences between instructor and student form an important part of the work. Much stress is laid upon illustrative reading. The class meets once, and sometimes twice, a week; the divisions meet regularly twice each week.

The Principles of Articulation, Mr. King.

One hour a fortnight.

This course deals with a system of oral gymnastics, by which a distinct, firm, and fluent articulation can be acquired. The means of instruction for improving the quality of the speaking voice, and for acquiring a correct production, are pointed out. Special attention is paid to the cure of nasality and other vicious habits of speaking. The common errors of articulation and the vulgarisms constantly heard in every-day speech are clearly defined. A special class will be formed to assist those students whose defects of articulation are so marked as to make it difficult for them to work with the other members of the class.

* See footnote, page 63.

2nd Semester.

Lectures on the History of English Literature, Miss Donnelly.*

Five hours a week.

Beginning with a history of the English language and Anglo-Saxon literature, the lectures give a brief introduction to the study of early Teutonic literature and mythology. The history of English literature to the death of Spenser and of mediæval literature, occupies the second half of the course.

The Principles of Articulation (continued), Mr. King.

SECOND YEAR.

(Given in each year.)

1st Semester.

Lectures on the History of English Literature from the death of Spenser to the present time, inclusive, with a short account of the influences of the contemporary continental literatures, Miss Donnelly.*

Five hours a week.

The Sonant Properties of Speech, Mr. King.

One hour a fortnight.

This course consists of a detailed study of the principles of inflection, pitch, and rhythm, together with special treatment of emphasis and rules on pausing. Students are required from time to time to read aloud in order that individual faults may be corrected.

2nd Semester.

General English Composition, Part II, Dr. Savage,* Mrs. Bullock, Miss Hearsey, Miss Fuller.

Four hours a week.

In this course the work of the first year is continued with reference to biography, description, narration, and allied forms and topics. The arrangements as to papers, reading, conferences, class meetings, and similar matters are like those for the first year.

The Sonant Properties of Speech, Mr. King.

One hour a fortnight.

The major course in English differs slightly from the other major courses of the college, in that it must always have been preceded by two years' study of English in the required undergraduate courses. Any of the courses, except the courses in English Drama, in English Fiction in the nineteenth century, in English Literature from Dryden to Johnson, and the courses in Shakespeare and in Middle English Poetry, and Chaucer, may be taken separately as free electives by students that have completed the required course. All students taking a major course in English must take one course in language, and those students who wish to specialise in language must take at least one course in literature.

Major Course.

FIRST YEAR.

Minor Course. (Literature.)

1st Semester.

English Critics of the Nineteenth Century, Dr. Chew.

Five hours a week.

(Given in each year.)

Carlyle, Ruskin, Huxley, Arnold, Pater, and Morley and, if time allows, two or three other writers, are studied with regard to their theories of criticism and their influence upon the thought of their time. A report is required from each student attending this course.

2nd Semester.

English Romantic Poets, Miss Donnelly.

Five hours a week.

(Given in 1923-24 and again in 1925-26.)

The poets studied in this course are Wordsworth, Coleridge, Shelley, Byron, and Keats. Their works are discussed in class in connection with questions of poetics and literary theory and reports are required from students attending the course.

* See footnote, page 65.

English Poetry, 1850-1914, Dr. Chew.

Five hours a week.

(Given in 1922-23 and again in 1924-25.)

A rapid review of the progress of poetry during the first half of the nineteenth century is followed by more detailed study of the poets of the later period.

1st Semester.

Language.

Anglo-Saxon Prose and Beowulf, Dr. Brown.

Five hours a week.

(Given in 1922-23 and again in 1924-25.)

The first half of the course is devoted to an outline of Anglo-Saxon grammar as presented in Siever's *Old English Grammar* (Cook's translation) and to the reading of the prose selections in Bright's *Anglo-Saxon Reader*. After reading one or two of the shorter Anglo-Saxon poems, the *Beowulf* is taken up (Klaeber's text) and the first two-thirds of the poem is read with the class.

2nd Semester.

Middle English Poetry and Chaucer, Dr. Brown.

Five hours a week.

(Given in 1923-24 and again in 1925-26.)

The course begins with an outline of Middle English grammar sufficient to enable the students to read ordinary texts intelligently. Lectures are given on the development of the language and literature during the period. In the course on Chaucer the best of the *Canterbury Tales* are studied, also the *Legend of Good Women*, *The House of Fame*, and portions of *Troilus and Criseyde*. The lectures discuss Chaucer's sources and literary art, and his relation to the English, French, and Italian literature of his time.

SECOND YEAR.

1st Semester.

Literature.

The Elizabethan and Jacobean Drama, Dr. Chew.

Five hours a week.

(Given in each year.)

A large number of plays by the dramatists from Lyly and Marlowe to Ford and Shirley are read. The lectures deal in part with aspects of contemporary life as reflected in the drama. A report is required from each student attending the course.

2nd Semester.

English Literature from Dryden to Johnson, Dr. Chew.

Five hours a week.

(Given in 1923-24 and again in 1925-26.)

The poets from Butler to Thomson; the philosophers from Hobbes to Hume; the novel from Defoe to Fielding; the beginning of English historical writing, and the essayists, are the chief subjects studied in this course.

English Fiction in the Nineteenth Century, Dr. Savage.

Five hours a week.

(Given in 1922-23 and again in 1924-25.)

A study of the principal types of English prose fiction during the last century, the short story and the novel, with attention to their origins, development, and technique.

Language.

1st Semester.

Middle English Romances, Dr. Brown.

Five hours a week.

(Given in 1923-24 and again in 1925-26.)

Selected romances in Middle English are read by the members of the class. The lectures deal with the development of Romance literature in Europe with special reference to the romances of the Arthurian cycle, and the discussion includes a review of the development of mediæval themes in later periods.

2nd Semester.

Shakespeare, Dr. Brown.

*Five hours a week.**(Given in 1922-23 and again in 1924-25.)*

A careful study is made of a number of Shakespeare's plays, selected with a view to illustrating his earlier and later work. The plays usually chosen are: *Romeo and Juliet*, *Henry V*, *Hamlet*, *Othello* and *Winter's Tale*. Some of the more general problems connected with these plays are discussed in introductory lectures and various topics are taken up, such as the principles of tragedy and comedy, the use of allegory and the development of Shakesperian criticism.

Group: English with any language, or English with Philosophy, or English with Philosophy and Psychology, or English with History of Art.

FREE ELECTIVE COURSES.

The Technique of the Drama, Dr. Savage. *Two hours a week throughout the year.**Free
Elective
Courses**(Given in 1925-26.)*

This course is open only to those students who can assure the instructor that they can pursue the work with profit. It deals with the making of scenarios, adaptation, and the writing of original plays; and with the observation of dramatic technique in plays read and seen.

Materials and Methods of Teaching Composition, Dr. Savage.

*Two hours a week during the second semester.**(Given in 1925-26.)*

This course is intended for graduate students and for undergraduates who expect to teach English; its aim is to present some of the problems of instruction in composition: the planning and supervision of courses, reports on various subjects, and allied problems. Practice in presentation is gained through reports of varying character and length.

Argumentation, Dr. Crandall.

*Two hours a week throughout the year.**(Given in each year.)*

The writing of arguments, the study of the form with reference to other types of writing, and other problems connected with argumentation, formal and informal, make up the work of the course. If possible, some attention will be paid to oral composition. The course is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course.

The Short Story, Dr. Crandall.

*Two hours a week throughout the year.**(Given in 1922-23 and again in 1924-25.)*

The course deals with various forms of narrative, more especially the short story, and includes a study of the work of representative authors, both English and French. The course is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course.

Daily Themes, Dr. Crandall.

*Two hours a week during the first semester.**(Given in 1923-24 and again in 1925-26.)*

Short papers on subjects chosen by the students themselves are required from each student and discussed in the class. The course is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course.

Criticism, Dr. Crandall.

*Two hours a week throughout the year.**(Given in 1923-24 and again in 1925-26.)*

The course includes a study of the principles of criticism and the writing of critical expositions, the essay, and kindred forms. The course is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course.

Versification, Dr. Crandall.

*Two hours a week throughout the year.**(Given in 1922-23 and again in 1924-25.)*

The course is not historical but theoretical and practical. Students are required to write short exercises in verse every week. The course is open to students who have completed the required course in English composition and obtained the grade of merit in one semester of the course.

General Reading of Prose Authors, Mr. King.

*One hour a week throughout the year.**(Given in 1922-23 and again in 1924-25.)*

This course is open only to those students who have attended the lectures in English diction given in the general course.

Reading of Shakespeare, Mr. King.

*One hour a week throughout the year.**(Given in 1923-24 and again in 1925-26.)*

This course is open only to those students who have attended the lectures in English diction given in the general course. A special study is made of the principles of correct delivery of blank verse. The needs of those students who expect to teach English literature and desire to read Shakespeare to their pupils are given special attention.

GRADUATE COURSES.

**Graduate
Courses**

There are offered each year distinct graduate seminaries and courses in English literature and in English language, and these seminaries and courses are varied so as to enable candidates for the degree of Doctor of Philosophy to pursue graduate work for three or more successive years. The graduate instruction in English literature includes the direction of private reading and the assignment of topics for investigation. The graduate courses in literature presuppose at least as much knowledge as is obtained in the two years' course of undergraduate lectures on English literature and in one of the literature years of the English major; and the graduate courses in Anglo-Saxon presuppose as much knowledge of Anglo-Saxon as is obtained in the language year in the English major. All students offering English as a subject for the degree of Doctor of Philosophy must have taken at least the equivalent of the composition in the required English course.

Students who elect English literature as their major subject in their examination for the degree of Doctor of Philosophy must offer English philology as an associated minor and those who offer English philology as a major subject must offer English literature as an associated minor. In the major together with the associated minor the student must offer two seminaries and a journal club for three years. A list of approved independent minors is given in the Regulations of the Academic Council.

Professor Crandall offers in each year a seminary for foreign students who have come intending to study American literature and to prepare for examinations in it abroad. Professor Savage offers in each year special instruction in English composition to graduate students approved by the Department of English.

No undergraduates are admitted to graduate courses.

Seminary in English Literature, Miss Donnelly.

*Two hours a week throughout the year.**(Given in alternate years.)*

In 1922-23* Eighteenth Century Prose is the subject of the seminary. Swift, Addison, and Steele are studied. Attention is given to their relations to both contemporary politics and literature. The seminary is conducted by Dr. Helen Sard Hughes.

In 1924-25 the Romantic Poets will be the subjects of the seminary. Special attention is paid to Shelley and Byron and to the phases of Romanticism shown in their work. Their relations to their contemporaries in England and on the Continent are discussed.

In 1926-27 Donne and Milton will be the subjects of the seminary. They are studied in their relation to such contemporary influences as Platonism and the Church and Puritanism and in especial to the sources and development of poetical style in the seventeenth century.

Seminary in Middle English, Dr. Brown.

*Three hours a week throughout the year.**(Given in each year.)*

In 1922-23 Middle English Romances are the subject of the seminary. All the romances represented in Middle English are read, and the relation of these English versions to their Latin and Old French originals are discussed. The romance cycles are taken up in the following order: Troy story, Alexander saga, Arthurian cycle, romances of Germanic origin, Charlemagne cycle. Special investigations of problems relating to the romances are undertaken from time to time by the members of the seminary.

In 1923-24 the seminary will study *The Vision of Piers the Plowman* and the works of Chaucer. Attention is devoted not so much to the critical reading of the texts themselves as to the examination of the questions of authorship and chronology which have recently been raised. These poems are also discussed in their relation to the other literature of the fourteenth century. Special subjects for individual investigation are assigned to the members of the seminary.

In 1924-25 the Beginnings of English Drama will be the subject of the seminary. After tracing the emergence of plays in the vernacular from the liturgical drama, the evolution of the leading English mystery cycles is studied. In considering the morality plays their connection with mediæval allegories, debates, and didactic treatises is specially examined. The lectures given by the instructor are designed to afford a general survey of the drama (both religious and secular) in England to the accession of Queen Elizabeth. Critical reports on assigned topics are required from the students.

Seminary in Old English, Dr. Brown.

*Two hours a week throughout the year.**(Given in each year.)*

In 1922-23 and again in 1924-25 Beowulf and the old English lyrics are studied in the seminary. The work begins with a careful textual study of the Beowulf. After discussing the problems of editing, a general survey of Beowulf criticism is presented including theories as to the composition of the poem, and an inquiry into its historical and mythological elements. In this connection a study is also made of the other pieces of Anglo-Saxon heathen poetry. This seminary is open to graduate students who have already taken the course in Anglo-Saxon grammar and reading of Anglo-Saxon texts, or its equivalent.

In 1923-24 and again in 1925-26 Cynewulf and Cædmon will be subjects of the seminary. Several of the poems traditionally ascribed to these authors are critically studied. Lectures are given with a view to furnishing a thorough introduction to Anglo-Saxon Christian poetry and the literary problems connected with it. This course is open to graduate students who have already taken the course in Anglo-Saxon grammar and reading of Anglo-Saxon texts or its equivalent.

Seminary in English Literature, Dr. Chew.

*Three hours a week throughout the year.**(Given in each year.)*

In 1922-23 the seminary is engaged in the study of various aspects of the literature of the Victorian Era.

* See footnote, page 63.

In 1923-24 the seminary will be devoted to recent Shakespearean criticism.

In 1924-25 the prose and poetry of Wordsworth and Coleridge; the Romantic critics; and the novel of the Romantic Period will be studied.

Seminary in English Composition, Dr. Crandall.

Two hours a week throughout the year.

The chief business of the seminary is the discussion and criticism of the students' own writing. Its aim is to make familiar and apply the principles and standards of criticism that have developed with the development of literature; the subject of study in each year is adapted to the purpose and interests of the students.

In 1922-23 the subject of the seminary is historical writing and includes a study of the manner of Gibbon, J. R. Green, Motley, Parkman, and other historians.

In 1923-24 modern fiction, English, French, and Russian, is the subject of the seminary.

In 1924-25 the seminary will study the manner of writers of biography and memoirs, among others Boswell, Lord Morley, and Henry Adams.

Seminary in American Literature for Foreign Students, Dr. Crandall.

Two hours a week throughout the year.

(Given in each year.)

The subject of the seminary is the history of American literature, more especially in the latter half of the nineteenth century. The seminary is intended primarily for foreign students and may not be counted for the degree of Doctor of Philosophy.

Seminary in English Literature, Dr. Savage.

Two hours a week throughout the year.

In 1925-26 the subject of the seminary will be English prose from Pecoock to Bacon. After a consideration of certain aspects of the Renaissance as reflected in the prose of the period, attention will be directed to the development of non-dramatic prose. Reports, oral and written, will be required.

In 1927-28, the subject of the seminary will be English verse of the Renaissance. Besides the non-dramatic verse, some of the developments in criticism will be studied.

English Historical Grammar, Dr. Brown. *Two hours a week throughout the year.*

(Given in 1922-23 and again in 1924-25.)

In this course the development of the English Language is traced from the earliest times. After an outline has been given of the history and external relations of English, the change and decay of inflections, the use of prepositions and the more important points in historical syntax are discussed. The course presupposes a knowledge of Anglo-Saxon and Middle English. The students examine various documents of the different periods to discover evidence of the operation of linguistic principles.

Technical and Advanced Criticism, Dr. Savage.

Two hours a week during the first semester.

(Given in each year but omitted in 1923-24.)

In this course attention will be given to bibliography, the tabulating of critical data, the planning and writing of papers, reports, and dissertations, critical usage, oral composition and other matters. Materials collected for other courses in research are available for use in this work.

General Course in Articulation and Voice Production, Mr. King.

One-half hour a week throughout the year.

The object of this course is to train speakers in accurate and distinct articulation and to eliminate the faults of bad production. Speech is resolved into its phonetic elements which are made the basis of practical exercises progressive in their difficulties.

English Journal Club, Miss Donnelly, Dr. Brown, Dr. Chew, Dr. Crandall, Dr. Savage and Dr. Hughes..

One and a half hours a month throughout the year.

(Given in each year.)

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

ROMANCE LANGUAGES.

French.

The instruction in this department is under the direction of Dr. Eunice Morgan Schenck, Associate Professor of French; Mr. Claude Gilli, Associate Professor of Romance Philology; Miss Marcelle Pardé,* Associate in French, and Miss Marthe Jean Trotaïn and Miss Helen Belle Smith, Instructors in French, and Miss Margaret Gilman, Instructor (elect) in French.

The instruction offered in French covers thirty-eight hours of lectures and recitations a week; it includes five hours a week of elementary French; ten hours a week of undergraduate major and minor work; seven hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in French; two hours of free elective, and fourteen hours a week of graduate work in modern French literature and in Old French literature and language. All the courses in French except the elementary course and the seminary in philology are conducted in the French language.

A class for beginners in French conducted by Miss H. B. Smith five hours a week throughout the year is provided. By great diligence students taking this course may acquire sufficient knowledge to be admitted into the first year of the major course in French.

Elementary Course.

Entrance to the major course in French presupposes as much knowledge as is required to pass the matriculation examination in this subject.

Major Course.

FIRST YEAR.

(*Minor Course.*)

(*Given in each year.*)

1st Semester.

The history of French Literature of the nineteenth century, critical reading in French Prose and Poetry of the nineteenth century, Practical Exercises in French Composition.

Five hours a week.

Division A. Dr. Schenck and Miss Gilman.

Division B. Miss Pardé.*

Students are assigned to Division A or to Division B after an aural test. In Division A two hours a week are devoted to the history of literature and three hours a week to critical reading and composition; in Division B three hours a week are given to the history of literature and two hours a week to critical reading and composition.

The courses in critical reading and composition may not be taken separately. The course in the history of literature may be taken separately only by students assigned to Division B.

* Granted leave of absence for the year 1922-23. The courses announced by Miss Pardé are given by Miss Trotaïn and by Miss Helen Belle Smith.

2nd Semester.

The history of French Literature of the nineteenth century (continued).

Division A. Miss Pardé.*

Three hours a week.

Division B. Dr. Schenck.

Critical Readings in French prose and poetry of the nineteenth century.

Practical Exercises in French Composition.

Two hours a week.

Division A. Miss Pardé.*

Division B. Miss Gilman.

Advanced Standing.

An advanced standing examination in advanced French translation and composition, that is an examination taken without attendance on the college classes, may be taken by students in the first three weeks after entering the college. Credit will be given, depending on the result of this examination, for all or part of the minor and major French course. Credit thus received may not be counted as part of the group work if French is elected as a group subject, nor as part of a five hour course; more advanced courses in French chosen with the approval of the Department of French must be substituted for that part of the minor and major courses for which credit has been given in the advanced standing examination by students taking French as a group subject.

SECOND YEAR.

1st Semester.

(Given in each year.)

Lectures on the history of French Literature in the sixteenth and seventeenth centuries, accompanied by collateral reading, Miss Pardé.*

Three hours a week.

Critical Readings in the Literature of the sixteenth and seventeenth centuries. Studies in French Style and Composition, Mr. Gilli. *Two hours a week.*

2nd Semester.

Lectures on the history of French Literature in the eighteenth century, accompanied by collateral reading, Dr. Schenck.

Three hours a week.

Critical Readings in the Literature of the eighteenth century. Studies in French Style and Composition, Mr. Gilli.

Two hours a week.

Group: French with any language, or with Modern History, or with History of Art.

FREE ELECTIVE COURSE.

Free Elective Course

Modern Tendencies in French Literature, Dr. Schenck.

Two hours a week throughout the year.

(Given in each year.)

Contemporary French writers are studied in relation to their predecessors and to modern movements. Lectures, class discussion, and reports are in English; the reading in connection with the course is in French.

Only those students will be admitted who have completed the course in General English Literature or the course in Major French Literature.

POST-MAJOR COURSES.

Post Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

* See footnote, p. 71.

Modern French Drama, Dr. Schenck. *Two hours a week throughout the year.*
(Given in 1922-23 and again in 1924-25.)

The course begins with a study of the plays of the Romantic period, and traces the development of French drama throughout the nineteenth century to the present day. The course is conducted by means of lectures, class-room discussion, and reports.

The Short Story (*Nouvelle*) in the nineteenth century, Dr. Schenck.
Two hours a week throughout the year.
(Given in 1923-24 and again in 1925-26.)

In the first semester the *nouvelles* of the romantic period are studied in the works of Chateaubriand, Nodier, Vigny, Musset, Balzac, Mérimée, and Gautier. The lectures of the second semester treat the development and modification of realism by Flaubert, Zola, Daudet, Coppée, Loti, Bourget, France, and others, while a careful study of the technique of the *nouvelle* is made in connection with Maupassant.

Advanced French Composition and Historical French Grammar, Mr. Gilli.
Two hours a week throughout the year.
(Given in each year.)

In 1922-23 this course meets three hours a week throughout the year.

Evolution of French Lyric Poetry, Miss Pardé.*
Two hours a week throughout the year.
(Given in 1922-23 and again in 1924-25.)

The origins of modern French lyric poetry are discussed with special emphasis on the poets of the "Pléiade." The romantic movement, l'Ecole du Parnasse, and the later nineteenth century poets are also studied. This course is given by Miss Trotain in 1922-23.

The Development of Social Ideals in French Literature, Miss Pardé.
Two hours a week throughout the year.
(Given in 1923-24 and again in 1925-26.)

The following types will be studied: "Le chevalier" of the Middle Ages (La Chanson de Roland); "l'escolier" (François Villon); "l'homme de la Renaissance" (Montaigne, Rabelais); "l'honnête homme" of the 17th century (Molière, La Fontaine, Pascal); "le philosophe" of the 18th century (Voltaire, Rousseau); "le romantique" of the 19th century (Lamartine, Musset); "l'intellectuel" (Renan, Anatole France).

Masterpieces of French Literature, Miss H. B. Smith.
One hour a week throughout the year.
(Given in each year.)

This course is conducted according to the method of the "Explication de Textes" used in the French Universities. The texts chosen will represent typical phases of the French genius and vary from year to year, and the course may be taken in two consecutive years.

GRADUATE COURSES.

Thirteen hours a week of seminary work and graduate lectures are offered each year to graduate students of French, accompanied by the direction of private reading and original research. The courses, covering the field of Old and Modern French Language and Literature are arranged to form a triennial cycle. The work of each year centers about one main topic to be studied as a part of the history of French literature in its various relations to the general literature and civilisation of the period concerned. Students may enter the seminary in any year and pursue it during three or more consecutive years. The members of the seminaries report on theses assigned them at the beginning of each semester.

Graduate Courses.

* See footnote, p. 71.

Students who choose French literature as their major subject in their examination for the degree of Doctor of Philosophy must offer French philology as the associated minor and students who offer French philology as a major subject must offer French literature as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council. In the major together with the associated minor the student must offer two seminars and a journal club for three years.

Seminary in Modern French Literature, Dr. Schenck.

Three hours a week throughout the year.

(Given in each year.)

In 1922-23 the subject of the seminary is Romanticism and Realism. The origins of romanticism are examined in the rise of "*le cosmopolitisme littéraire*," in eighteenth century French literature and especially in the works of Rousseau and Madame de Staël.

A parallel study of the theories underlying literary and historical realism is made in connection with Taine, Renan, Zola, and Maupassant.

In 1923-24 the subject of the seminary will be Phases of Romanticism in the Nineteenth Century as illustrated by Hugo, Gautier, and Flaubert. A special study will be made of the origin and development of the theory of *L'art pour l'art*.

In 1924-25 the subject of the seminary will be Nineteenth Century Drama. After a rapid survey of the theatre of the eighteenth century a careful study is made of the drama of Hugo, Dumas père, Vigny, and Musset, and the extent of the influence of Shakespeare on French romantic drama. The rise and development of realistic comedy are studied and the course closes with an examination of Post-Realism and Symbolism in contemporary French drama.

Seminary in Mediæval French Literature, Mr. Gilli.

Two hours a week throughout the year.

(Given in each year.)

The work expected of graduate students in the seminary in Mediæval French Literature consists of a first hand knowledge of the texts, a review of the opinions expressed by the leading specialists on each subject and a critical discussion of the work in question. The reports are intended to train graduate students in literary research. Students are expected to have a good reading knowledge of Old French and it is recommended that the course in Advanced Old French philology be taken together with this seminary.

In 1922-23 *La Fable Esopique* and the *Roman de Renard* is the subject of the seminary. The course includes a study of the *Æsopic* fables in the Middle Ages and treats in detail the extent to which the *Roman de Renard* is based on these fables. The *Ysopet* of Marie de France and the best "branches" of *Renard* are read.

In 1923-24 the subject of the seminary will be the *Matière de Bretagne et l'Épopée Courtoise*. The course includes a careful study of the *Lais* of Marie de France, the poems referring to Tristan and the *Romans* of Chrétien de Troyes. These are studied in connection with the question of their origin in Celtic countries and their later development in France.

In 1924-25 the subject of the seminary will be the origin and development of the *Chansons de Geste* and their influence in other European countries with special attention given to the *la geste royale*.

Old French Philology, Mr. Gilli.

Three hours a week throughout the year.

(Given in each year.)

Historical Grammar of Old French, followed by Critical Reading of Old French texts. This course is equivalent to a full seminary and counts as such.

Introduction into the Study of Romance Philology, Mr. Gilli.

One hour a week throughout the year.

(Given in each year.)

The study of Vulgar Latin and its evolution in the various parts of the Roman Empire. A critical study of Inscriptions and Glossaries. In the second semester a comparative study of the Phonology of Old Provençal, Old Italian, and Old Spanish will be combined with a special study of easy Old Provençal texts. It is recommended that the course be taken together with advanced Old French Philology or Mediæval French Literature. Graduate students taking the graduate language courses in Italian and Spanish who have not had this course or its equivalent are strongly advised to take it at the same time, and will be given an allowance of three hours in the work required to make these courses equivalent to seminars. The two courses will together be equivalent to a full seminary and will count as such.

Advanced Old French Philology, Mr. Gilli.

One hour a week throughout the year.

(Given in each year.)

This course is open only to graduate students who have already taken the graduate course in Old French Philology or its equivalent.

The different dialects of Old French, the reconstruction of texts from the MSS., and the elements of Palæography are the subjects of the course. It is recommended that this course be taken together with the Introduction to the Study of Romance Philology. The two courses will together be equivalent to a full seminary and will count as such.

Advanced Romance Philology, Mr. Gilli. *One hour a week throughout the year.*

(Given in each year.)

This course is open only to graduate students who have already taken the graduate course in the Introduction to the study of Romance Philology or its equivalent.

The comparative philology of the various Romance languages including Roumanian is studied with a special consideration of the various Italian dialectal forms.

Anglo-French, Mr. Gilli.

One hour a week throughout the year.

(Given in each year.)

This course is specially intended for students of Mediæval English language and literature who are recommended to take the course.

Old Provençal, Mr. Gilli.

One hour a week throughout the year.

(Given in each year.)

Historical Grammar of the Old Provençal language followed by a study of Old Provençal texts.

Modern French Literature, Miss Pardé.*

Two hours a week throughout the year.

(Given in each year.)

The method used in advanced literary instruction in France and known as the "*Explications de textes*" will be employed, students being required to give oral lessons and to write many short papers.

In 1922-23 seventeenth century authors are studied.

In 1923-24 the period selected will be the sixteenth century.

In 1924-25 authors of the eighteenth century will be studied.

Romance Languages Journal Club, Dr. Schenck, Mr. Gilli, Miss Pardé, Miss Trotain, Miss H. B. Smith, Dr. Bullock and Dr. DeHaan.

One and a half hours a fortnight throughout the year.

The journal club is intended to make the advanced students familiar with all the important European periodicals and with new books dealing with Romance Philology.

* See footnote, p. 71.

Italian.

The instruction in this department is given by Dr. Walter L. Bullock, Associate in Italian, and an Instructor in Italian.

The instruction offered in Italian covers nineteen hours of lectures and recitations a week; it includes five hours a week of elementary Italian, ten hours a week of undergraduate minor and major work; two hours a week of post-major work, and two hours a week of graduate work in Italian literature.

A combination of five hours a week for one year of the minor course in Italian with five hours a week for one year of the minor course in Spanish forms a major course and may be taken with any other language to form a group. Students may thus elect ten hours of Italian or five hours of Italian and five hours of Spanish to form a major course.

Elementary Course.

A class for beginners in Italian, five hours a week throughout the year, is provided, in order that those students who have not studied Italian may obtain a reading knowledge of the language. Such students may acquire sufficient knowledge to be admitted, should they desire it, into the first year of the major course in Italian.

Advanced Standing.

An advanced standing examination in Italian, that is an examination in translation and composition taken without attendance on the college classes, may be taken by students in the first three weeks after entering college. Depending on the result of this examination credit will be given for all or part of the elementary, minor, or major Italian courses. Credit thus received may not be counted as part of the group work if Italian is elected as a group subject, nor as part of a five hour course; more advanced courses in Italian chosen with the approval of the Department of Italian must be substituted for that part of the minor or major course for which credit has been given in the advanced standing examination by students taking Italian as a group subject.

Major Course.

The major course in Italian presupposes as much knowledge as is required to pass the examination at the close of the elementary course.

FIRST YEAR.

(*Minor Course.*)

(*Given in each year.*)

1st Semester.

(May be taken as a free elective.)

Italian Literature, Dr. Bullock.

Three hours a week.

Lectures on the history of Italian literature in the thirteenth century, accompanied by collateral reading, with a special study of Dante's *Vita Nuova* and the *Divina Commedia*.

Italian Composition, Dr. Bullock.

Two hours a week.

Composition in Italian accompanied by illustrative readings in Italian prose.

2nd Semester.

Italian Literature, Dr. Bullock.

Three hours a week.

The course is continued as in the first semester, and ends by carrying the study of the history of Italian literature through the fourteenth century, with special reference to Petrarch and Boccaccio.

Italian Composition, Dr. Bullock.

Two hours a week.

The course is continued as in the first semester.

As far as possible the above courses are conducted in the Italian language, depending on the preparation of the students and the nature of the material studied.

SECOND YEAR.

(Major Course.)

(Given in each year.)

Lectures on the Literature of the Renaissance in Italy accompanied by collateral reading, Dr. Bullock.

Three hours a week throughout the year.

Advanced Italian Composition with critical readings in Italian Literature, Dr. Bullock.

Two hours a week throughout the year.

Group: Italian, or Italian and Spanish, with any language, or Italian with History, or with History of Art.

POST-MAJOR COURSE.

Modern Italian Literature, Dr. Bullock.

Two hours a week throughout the year.

(Given in each year.)

The course traces the history of Italian literature in the eighteenth and nineteenth centuries.

Post-Major Course.

GRADUATE COURSES.

The graduate seminary in Italian is varied from year to year in order that it may be pursued by a student for consecutive years. Students electing Italian as a major subject for the degree of Doctor of Philosophy are required to offer French philology as an associated minor. For the list of approved independent minors see the Regulations of the Academic Council. The books needed by graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries.

Graduate Courses.

Seminary in Italian Literature, Dr. Bullock.

Two hours a week throughout the year.

(Given in each year.)

In 1922-23 the subject of the seminary is the Renaissance Lyric, with special study of the history and use of the sonnet in the fifteenth and sixteenth centuries.

In 1923-24 the Origins of Italian Literature will be the subject of the seminary. Special attention will be paid to the thirteenth century forerunners of Dante.

In 1924-25 some aspects of the Literature of the Renaissance will be discussed with a special study of the position of woman in the life and letters of the sixteenth century.

If necessary modifications will be made in the work of the seminary to meet the special needs of students.

Spanish.

The instruction in this department is given by Dr. Fonger DeHaan, Professor of Spanish, and Miss Helen Belle Smith, Instructor in French and Spanish.

The instruction offered in Spanish covers nineteen hours of lectures and recitations a week; it includes five hours a week of elementary Spanish; ten hours a week of undergraduate minor and major work; two hours a week of post-major work; and two hours a week of graduate work.

A combination of five hours a week for one year of the minor course in Spanish with five hours a week for one year of the minor course in Italian forms a major course, and may be taken with any other language to form a group. Students may thus elect ten hours of Spanish, or five hours of Spanish and five hours of Italian to form a major course.

Elementary Course.

A class for beginners in Spanish, conducted by Miss H. B. Smith, five hours a week throughout the year, is provided, in order that those students who have not studied Spanish may obtain a reading knowledge of the language. Such students may acquire sufficient knowledge to be admitted, should they desire it, into the first year of the major course in Spanish.

Advanced Standing.

An advanced standing examination in Spanish, that is an examination in translation and composition taken without attendance on the college classes, may be taken by students in the first three weeks after entering the college. Depending on the result of this examination credit will be given for all or a part of the elementary, minor or major Spanish courses. Credit thus received may not be counted as part of the group work if Spanish is elected as a group subject, nor as part of a five hour course; more advanced courses in Spanish chosen with the approval of the Department of Spanish must be substituted for that part of the minor or major course for which credit has been given in the advanced standing examination by students taking Spanish as a group subject.

Major Course.

Entrance to the major course in Spanish presupposes as much knowledge as is required to pass the examination at the close of the elementary Spanish course.

FIRST YEAR.

(Minor Course.)

(Given in each year.)

Spanish, Dr. DeHaan.

Five hours a week throughout the year.

The work of the elementary course is extended by the reading of moderately long and fairly difficult Spanish Prose by representative modern authors, and some plays in verse. Passages of continuous English prose are translated into Spanish.

SECOND YEAR.

Given in each year.

Reading of Classics in Spanish Literature, Dr. DeHaan.

Three hours a week throughout the year.

Advanced Spanish Composition, Dr. DeHaan.

Two hours a week throughout the year.

Group: Spanish or Italian and Spanish with any language, or Spanish with History or with History of Art.

POST-MAJOR COURSES.

**Post-
Major
Courses.**

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Advanced Spanish, Dr. DeHaan. *Three hours a week throughout the year.*
(Given in each year.)

A number of difficult modern texts (novels, stories, plays) are read and reports presented and discussed. One hour weekly is given to writing original compositions in Spanish.

The Spanish Drama since 1800, Dr. DeHaan.
Two hours a week throughout the year.
(Given in 1923-24.)

In connection with this course the class will read some forty representative plays and report upon them.

GRADUATE COURSES.

**Graduate
Courses.**

Two to four hours a week of seminary work or graduate lectures are offered each year to graduate students of Spanish accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries.

The graduate seminaries in Spanish are varied from year to year in order that they may be pursued by a student for consecutive years. Students electing Spanish as a major subject for the degree of Doctor of Philosophy are required to offer French philology as an associated minor. For the list of approved independent minors see the Regulations of the Academic Council.

Seminary in Spanish, Dr. DeHaan. *Two hours a week throughout the year.*
(Given in each year provided the courses in Spanish Philology and Old Spanish Readings are not given.)

In 1922-23 some typical plays of Lope de Vega are the subject of the seminary.

In 1923-24 the *Novela picaresca* will be studied.

In 1924-25 the prose works of Cervantes will be studied.

Spanish Philology, Dr. DeHaan. *One hour a week throughout the year.*
(Offered provided the seminary in Spanish is not given.)

Old Spanish Readings, Dr. DeHaan. *One hour a week throughout the year.*
(Offered provided the seminary in Spanish is not given.)

German.

The instruction in this department is under the direction of Dr. Eduard Prokosch, Associate Professor of German, and Miss Anna Schafheitlin, Instructor in German.

The instruction offered in German covers twenty-two hours of lectures and recitations a week; it includes five hours a week of elementary German; ten hours a week of undergraduate major and minor work; and seven hours a week of graduate work in German literature and in Germanic philology.

Elementary Course.

A class for beginners in German, conducted by Miss Schafheitlin, five hours a week throughout the year, is provided. By great diligence students taking this course may acquire sufficient knowledge to be admitted into the first year of the major course in German.

Major Course.

The major course in German presupposes as much knowledge as is required to pass the matriculation examination in this subject.

FIRST YEAR.

(*Minor Course.*)

(*Given in each year.*)

Lectures on Classical German Literature accompanied by Collateral Reading, Miss Schafheitlin. *Three hours a week throughout the year.*

Critical Readings in German Poetry and Prose, Dr. Prokosch.

Two hours a week throughout the year.

Advanced Standing.

An advanced standing examination in advanced German translation and composition, that is an examination taken without attending the college classes, may be taken by students in the first three weeks after entering the college. Depending on the result of this examination credit will be given for all or part of the minor and major German course. Credit thus received may not be counted as part of the group work if German is elected as a group subject, nor as part of a five hour course; more advanced courses in German chosen with the approval of the Department of German must be substituted for that part of the minor and major courses for which credit has been given in the advanced standing examination by students taking German as a group subject.

SECOND YEAR.

(*Given in 1923-24.*)

1st Semester.

Lectures on Classical German Literature, Miss Schafheitlin.

Two hours a week.

Goethe's *Faust*, 1st Part, Dr. Prokosch.

Two hours a week.

German Prose Composition and Reading, Miss Schafheitlin.

One hour a week.

2nd Semester.

Lectures on Classical German Literature (Goethe), Dr. Prokosch.

Two hours a week.

Goethe's *Faust*, 2nd Part, Dr. Prokosch.

Two hours a week.

German Prose Composition and Reading, Miss Schafheitlin.

One hour a week.

SECOND YEAR.

(Given in 1924-25 and in each succeeding year.)

Lectures on the History of German Literature in the nineteenth century, accompanied by collateral reading, Miss Schafheitlin.

Three hours a week throughout the year.

Critical Readings in Modern German Literature. Studies in German Style and Composition, Dr. Prokosch.

Two hours a week throughout the year.

Group: German with any language, or with History, or with History of Art.

GRADUATE COURSES.

Several hours a week of seminary work and graduate lectures are offered each year to graduate students of German and Germanic Philology accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary libraries.

Graduate Courses.

The graduate courses offered in German Philology may be found under the head of General Germanic Philology.

Graduate work in the history of modern German literature is conducted according to the seminary method. The courses are so varied that they may be followed by graduate students throughout three successive years and cover the work required of students who offer German literature as a major or a minor for the degree of Doctor of Philosophy. Students who elect German literature as their major subject in the examination for the degree of Doctor of Philosophy must offer Germanic Philology as an associated minor and students who offer Germanic Philology as a major subject must offer German literature as an associated minor. In the major together with the associated minor the student must offer two seminaries and a journal club for three years. A list of approved independent minors is given in the Regulations of the Academic Council.

Seminary in German Literature, Miss Schafheitlin.

*Two hours a week throughout the year.**(Given in each year.)*

It is hoped that the students will become familiar in the seminary with the method of scientific literary criticism and investigation.

In 1922-23 topics from mediæval German literature are studied. Dr. Prokosch conducts the seminary in this year.

In 1923-24 Goethe will be the subject of study in the seminary.

In 1924-25 the Romanticism of early modern German literature will be studied in the seminary.

Other subjects may be substituted in accordance with the needs of the students.

GENERAL GERMANIC PHILOLOGY.

The instruction in this department is under the direction of Dr. Eduard Prokosch, Associate Professor of German. The

courses given in each year will be selected from among those described below to meet the needs of the graduate students.

Special attention is called to the facilities for the study of comparative Germanic Philology offered by Bryn Mawr College. The English and the German departments together have provided for a complete course in Germanic philology, comprising both the study of the individual languages (Gothic, Norse, Anglo-Saxon, Old Saxon, Old High German, Middle High German, Middle Low German, etc.) and the study of general comparative philology.

The courses in introduction to the study of Germanic philology, Gothic, and Middle High German grammar, are designed for students in their first year of graduate study in Germanic languages, and the remaining courses for students in their second or third year.

Students intending to elect Germanic philology are advised to study Greek for at least one year during their undergraduate course.

GRADUATE COURSES.

Seminary in Germanic Philology, Dr. Prokosch.

Two hours a week throughout the year.

(Given in each year.)

This seminary is arranged for the benefit of the most advanced students in Germanic philology. Its object is to encourage independent work on the part of the students. The work consists mainly of the discussion of special topics by the instructor and the students. Members of the seminary are expected to study the literature on these subjects, and to make an effort to contribute some additional material, or an independent opinion of their own.

In 1922-23 Old High German texts such as *Merseburger Zaubersprüche*, *Muspilli*, and *Hildebrandslied* are studied in the first semester. The many problems that these texts offer and the various attempts to solve them are discussed. In the second semester modern High German texts will be the subject of the seminary.

In 1923-24 the subjects of the seminary will be taken from Middle High German texts. Problems in text criticism as well as literary problems connected with the works of Middle High German poets either of the classical period or of the periods preceding or following it will be discussed.

In 1924-25 the seminary will be devoted to High German texts from the fourteenth to the seventeenth century. The material is taken either from official documents of this period belonging to various parts of Germany or from the works of writers such as Murner, Hans Sachs, Luther, and others; or from grammatical works of this period in Muller's *Quellenschriften und Geschichte des deutschsprachlichen Unterrichts*, John Meier's *Neudrucke älterer deutscher Grammatiken*, etc. They are selected to illustrate the development of Modern High German. If it seems advisable Old Saxon texts (*Heliand* and *Genesis*) are also studied.

The order of these seminary subjects may be changed in accordance with the requirements of the students in any particular year.

Dr. Prokosch offers the following courses with the understanding that only a limited number will be given in each year, chosen with regard to the needs of the students.

Introduction to the Study of German Philology, Dr. Prokosch.

One hour a week throughout the year.

(Given every year.)

These lectures deal with the aim and scope of historical Germanic grammar and with the general principles of Germanic metrics, mythology, and folklore.

Gothic, Dr. Prokosch.

Three hours a week through the first semester.

(Given every year.)

The course comprises a study of Gothic phonology and morphology on a comparative basis. As it forms the foundation of historical Germanic grammar it should be taken in the first year of graduate work, preferably in connection with the Introduction to the Study of Germanic Philology.

Old Norse, Dr. Prokosch.

Three hours a week through the second semester.

(Given in 1923-24 and again in 1925-26.)

This course, which alternates with the course in Old High German, offers a historical study of Old Norse grammar in connection with the reading of Norse saga texts (in 1925) or the Edda (in 1923).

At least one of the following courses will be offered every year:

History of the German Language, Dr. Prokosch.

Two hours a week throughout the year or four hours a week through one semester.

(Given in 1923-24.)

The tendencies leading to the development of modern standard German will be studied in connection with the historical analysis of texts from different periods of the language.

Old High German, Dr. Prokosch

Three hours a week through the second semester.

(Given in 1924-25 and again in 1926-27.)

This course alternates with the course in Old Norse as a continuation of the course in Gothic. It treats the history of Old High German sounds and forms in connection with the reading of texts from Braune's *Althochdeutsches Lesebuch*.

Old Saxon, Dr. Prokosch.

Two hours a week through one semester.

(Given in 1922-23 and again in 1924-25.)

Selections from the Heliand will be read in connection with a study of Old Saxon grammar and metrics.

Middle High German, Dr. Prokosch.

Two hours a week throughout the year or four hours a week through one semester.

(Given in 1924-25.)

The course includes an historical study of Middle High German grammar and extensive reading of Middle High German poetry and prose.

Comparative Germanic Grammar, Dr. Prokosch.

Two hours a week through one semester.

(Given in 1923-24.)

This is recommended to those students only who have studied at least two of the early Germanic dialects. It comprises a study of the tendencies dominating the phonological and morphological development of the more important Germanic languages.

In addition to these courses, others in Middle and Modern Low German, Frisian, and Early Modern High German may be arranged for students that have previously studied Old Saxon, Anglo-Saxon, or Middle High German as a preparation for the study of these dialects.

SEMITIC LANGUAGES AND HISTORY OF RELIGIONS

The instruction in this department is under the direction of Dr. Theophile James Meek, Professor of Semitic Languages and the History of Religions. The instruction in this department includes courses in Semitic History, Biblical Literature, and the History of Religions. Ten hours of work are offered each year. These may be taken as free electives, or as part of the minor course in ancient history, or when five hours are taken, or they may be offered as a required course.

The college was particularly fortunate in securing, in the year 1892, the library of the late M. Arthur Amiaud, of Paris. While M. Amiaud was especially eminent as an Assyriologist, he was also prominent as a general Semitic student. His library was the collection of an active scholar, and forms a working library for the student in every department of Semitic study. It is especially rich in the Hebrew, Syriac, and Assyrian languages, containing several works, indispensable to the student, which are now out of print. Another Semitic library containing many works on the Talmud and on Jewish literature was acquired in 1904. In 1907 Mr. Albert J. Edmunds presented to the College his library of 500 volumes on the history of religions. The contents of these libraries, together with the books already owned by the College and those easily accessible in neighboring libraries, form an exceptionally good collection of material for the specialist in Semitic languages. A good working collection of cuneiform tablets is under the control of the department, and affords an excellent opportunity for students of Assyrian to become familiar with original documents.

Free Elective Courses.

FREE ELECTIVE COURSES.

History of the Near East, Dr. Meek. *Three hours a week throughout the year.
(Given in each year.)*

Semitic History.

(This course may be taken as a free elective or, if combined with the course in Greek Religion and Myths, as part of the five hour minor course in ancient history.)

This course treats in broad outlines the history and civilisation of the classical orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal oriental nations, Egyptians, Babylonians, Assyrians, Phœnicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilization of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilization. The lectures are illustrated by archæological specimens and by photographs. Either semester may be elected separately.

Literature of the Old Testament, Dr. Meek.

Two hours a week throughout the year.

(Given in 1922-23 and again in 1923-24.)

***Biblical
Literature.***

A critical study of the writings of the Old Testament, other than the prophetic writings, in the light of their historical setting and their literary form.

The Hebrew Prophets and their Problems, Dr. Meek.

Two hours a week throughout the year.

(Given in 1922-23 and again in 1923-24.)

A careful study and interpretation of the Hebrew prophets with particular attention given to their literary style, and their social, ethical, and religious teachings.

Literature of the Apocrypha and New Testament, Dr. Meek.

Two hours a week throughout the year.

(Given in 1924-25.)

A critical study of the writings of the Apocrypha and the New Testament in the light of their historical setting and their literary form.

Social Institutions and Ideals of the Hebrews, Dr. Meek.

One hour a week throughout the year.

(Given in 1923-24.)

An investigation of the social institutions of the Hebrews and their social ideals, as expressed particularly by the prophets and by Jesus.

History of the Bible and Problems of Its Interpretation, Dr. Meek.

One hour a week throughout the year.

(Given in 1924-25.)

The history of the Bible from its early beginnings down to the translations of our own time, together with a consideration of the problems of its interpretation.

Elementary Hebrew, Dr. Meek.

Three hours a week throughout the year.

(Given on request.)

An elementary course in the Hebrew language, with the reading of easy prose passages from the Old Testament.

Religions of the Semites, Dr. Meek.

Two hours a week throughout the year.

(Given in 1922-23 and again in 1924-25.)

***History of
Religions.***

A study in chronological order of the great Semitic religions (including the Egyptian) with special attention given to the Hebrew religion.

Religions of the Indo-Europeans, Dr. Meek.

Two hours a week throughout the year.

(Given in 1923-24.)

A study of the more important religions of the Indians, Iranians, Greeks, Romans, Teutons, and Celts in their mutual relations.

Religions of the Chinese and Japanese, Dr. Meek.

*Two hours a week during the second semester.**(Given in 1924-25.)*

An investigation of the religions of the Far East in ancient and modern times.

The Idea of God in the Great Religions and in Modern Thought, Dr. Meek.

*Two hours a week during the first semester.**(Given in 1924-25.)*

A critical study of man's conception of God from earliest times to the present, as revealed in the great religions and in modern thought.

The Idea of the Hereafter in the Great Religions and in Modern Thought, Dr. Meek.

*Two hours a week during the second semester.**(Given in 1923-24.)*

A critical study of man's conception of the hereafter from earliest times to the present, as revealed in the great religions and in modern thought.

GRADUATE COURSES.

Seminary work and graduate lectures amounting to at least five hours a week are offered each year to graduate students of Semitic Languages accompanied by the direction of private reading and original research. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the elective courses of the department amounting to two hours a week may be elected by graduate students.

The graduate courses in Semitic Languages are varied from year to year, as indicated below, so that they may be pursued by a student for four successive years. Those who offer Semitic Languages as the major subject in the examination for the degree of Doctor of Philosophy are required to spend in Semitic work half their time for at least three years.

The work of the department is so arranged that students may specialise in Hebrew or Assyrian. Students who offer Hebrew or Assyrian as the major subject in the examination for the degree of Doctor of Philosophy must possess a knowledge of the grammatical forms of five Semitic languages. For a list of approved associated and independent minors see the Regulations of the Academic Council.

The regular alternation of courses is indicated below and at least five hours a week will be given in each year, the courses being selected according to the needs of the graduate students. Graduate students may enter in any year of the four years' course, as there will be afforded each year an opportunity for graduate students to begin Hebrew.

No undergraduates are admitted to graduate courses.

Seminary in Semitic History, Dr. Meek. *One hour a week throughout the year.*
(Offered in 1923-24.)

This seminary is devoted to the critical investigation of specific problems in the field of Semitic history. Particular attention is given to the use of sources.

Seminary in Hebrew.

*Two hours a week throughout the year.**(Offered in 1923-24.)*

This seminary is devoted to the philological and exegetical study of selected portions of the Old Testament in Hebrew. Attention is given to the use of the ancient versions for the purpose of textual criticism.

Seminary in Oriental Archaeology, Dr. Meek.

*One hour a week throughout the year.**(Offered in 1924-25.)*

The work of this course may be devoted to the archaeology of Mesopotamia, Palestine, or Egypt according to the needs of the students. It consists of extensive courses of reading in the literature of the subject, together with a study of photographs and archaeological objects, of reports, criticisms, conferences, and occasional lectures.

Seminary in Assyrian, Dr. Meek.

*Two hours a week throughout the year.**(Offered in 1924-25.)*

The work of this seminary is devoted to the reading and interpretation of selected texts in Sumerian, Babylonian, and Assyrian. Opportunity is afforded for practice in the copying of original tablets.

Seminary in Elementary Semitic Languages, Dr. Meek.

*Two hours a week throughout the year.**(Offered in each year.)*

This course may be devoted to the study of the elements of Hebrew, or Aramaic, or Syriac, or Assyrian, or Arabic according to the needs of the students.

Dr. Meek offers when required the following graduate seminaries:

Seminary in the History of Religions, Dr. Meek.

One hour a week throughout the year.

The work of this seminary may be carried on in either of the following ways: By means of lectures, reports, and discussions the principal features of primitive religions are ascertained, and the principal civilized religions studied with special reference to origin, historical development, and religious point of view. The time may be devoted to investigating problems connected with one religion.

Comparative Semitic Grammar, Dr. Meek.

One hour a week throughout the year.

The grammar of Brockelmann is used as a basis for the work of this seminary. The course is to be taken in the fourth year of the study of Semitic languages.

History.

The instruction in this department is under the direction of Dr. Howard Levi Gray, Professor of History, Dr. William Roy Smith, Professor of History, Dr. Charles Wendell David, Associate Professor of History, Dr. Wilmer Cave Wright, Professor of Greek, Dr. Theophile James Meek, Professor of Semitic Languages and the History of Religions.

The instruction offered in history covers thirty-nine hours of lectures a week; it includes fifteen hours a week of undergraduate major and minor work in modern history and five hours a week of minor work in ancient history; five hours a

week of free elective; five hours a week of post-major work, open only to graduates and undergraduates that have completed the major course in history, and nine hours a week of graduate work.

The object of the major course in history is three-fold. Primarily, history is taught for its own sake as a record of the development of humanity; secondarily, as a necessary accompaniment to the study of political institutions; and finally, as a framework for other forms of research, linguistic, religious, or archæological. The courses are planned to develop in the students a readier historical sense, and a consciousness of historical growth, rather than to give them a mere outline of general history. The instruction consists mainly of lectures, which are designed to create interest in the broad lines of historical development; the lectures are accompanied by constant references for private reading, to stimulate accuracy in detail and independence in judgment.

FIRST YEAR.

(*Minor Course.*)

1st Semester.

(*Given in each year.*)

Major Course. Mediæval and Modern Europe to 1763, Dr. William Roy Smith and Dr. David. *Five hours a week.*

(This course may be taken as a free elective. The class is divided into two sections, one conducted by Dr. W. R. Smith, the other by Dr. David.)

The work of this and of the following semester is designed not to give a summary view of European history but to select and enlarge upon such aspects of it as are essential to the understanding of the modern world. In consequence, more attention is devoted to the period beginning with the French Revolution than to the preceding centuries. Among the topics considered during the first semester are the ideal of a united Christendom as embodied in the Holy Roman Empire and the Catholic Church, the causes and effects of the Crusades, the rise of national states, the Reformation and the Counter Reformation, the maintenance of a European balance of power, the progress of colonization, the rise of Prussia and of Russia. The instruction is given by means of lectures, required reading, written papers, and discussion.

2nd Semester.

Modern Europe since 1763, Dr. Gray and Dr. David. *Five hours a week.*

(This course may be taken as a free elective. The class is divided into two sections, one conducted by Dr. Gray, the other by Dr. David.)

In this semester the political and social transformation of Europe which was initiated by the French Revolution is studied. The outcome of the Revolution, the career of Napoleon, the absolutist reaction of the early nineteenth century, the successive revolts against this, the formation of modern constitutional governments, the creation of the German Empire and the Kingdom of Italy, the extension of European influence to Asia and Africa, and the treatment of social problems of today are among the topics considered. The instruction follows the methods used in the first semester.

SECOND YEAR.

1st Semester.

History of the Renaissance, Dr. Gray.

*Five hours a week.**(Given in each year.)*

(This course may be elected only by students who have studied history at least five hours a week for one year. Under this condition it may be taken as a free elective.)

An endeavour is made to indicate in what ways mediæval life and thought were transformed into those of modern Europe. Political, economic, literary, artistic and scientific changes are therefore studied. Since Italians were prominent in the new movements, most attention is given to Italian history, but the innovations of the North, especially those connected with the new Burgundian State, are not neglected. The period extends in a general way from 1250 to 1527.

2nd Semester.

History of the United States since 1783, Dr. William Roy Smith.

*Five hours a week.**(Given in each year.)*

(This course may be elected only by students who have studied history at least five hours a week for one year. Under this condition it may be taken as a free elective.)

The aim of this course is to present the historical background necessary to enable students to discuss intelligently the more important social, industrial, political, and diplomatic problems of the present day. The chief emphasis is placed upon the period since 1850.

FIRST YEAR.

*Ancient History.**(Given in each year.)*History of the Near East, Dr. Meek. *Three hours a week throughout the year.*

(This course may be taken as a free elective or as part of the minor course in Ancient History and may be entered in the second semester.)

This course treats in broad outlines the history of the civilisation of the classical orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal oriental nations, Egyptians, Babylonians, Assyrians, Phœnicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archæological specimens and by photographs.

Greek Religion and Greek Myths, Dr. Wright.

*Two hours a week throughout the year.**(Given in each year.)*

(This course may be taken as a free elective or as part of the minor course in Ancient History and may be entered in the second semester.)

The course treats of the development of Greek religion, the attributes of the Olympian gods, such as Zeus and Apollo, their ritual, and the influence on literature of Greek myths.

Group: History with Economics and Politics; History with German, or with French, or with Italian, or with Spanish, or with History of Art.

FREE ELECTIVE COURSES.

**Free
Elective
Courses.**

British Imperialism, Dr. William Roy Smith.

*Two hours a week throughout the year.**(Given in each year.)*

(This course may be elected only by students who have studied history at least five hours a week for one year.)

This course deals with the external history of the English people: the sea-rovers of the sixteenth century; the beginnings of American colonisation; the contrast between the old colonial system and the new; the history of Canada, Australasia, South Africa, India, Egypt and other colonies and dependencies; the new imperialism of Beaconsfield and Chamberlain; the present position of England as a world power.

Europe since 1870, Dr. Gray.

*Three hours a week throughout the year.**(Given in 1922-23 and again in 1924-25.)*

This course is designed for students who wish to know the genesis and setting of contemporary social and political problems. It is of necessity largely concerned with the causes, progress, and effects of the world war. The rise of Germany as a unified industrial state, her rivalry with her neighbours, the consequent formation of alliances, the immediate antecedents of the war, the military and industrial conduct of it, the appearances of revolutionary governments in central and eastern Europe, the consequences of the peace of Versailles, and the strong position of labour in post-bellum society are among the subjects studied. A year of minor history is a prerequisite and a reading knowledge of French is required.

Civilisation of the Ancient World, Dr. David.

*Three hours a week throughout the year.**(Given in 1923-24 and again in 1925-26.)*

Special attention is paid to Greece and Rome; but extended consideration is also given to the subject of pre-history, to the early civilisations of western Asia, Egypt, and the Aegæan region, and to the influence of environment, race, and culture upon human development. The evolution of civilisation as a whole, from earliest times to the fourth century A. D., is presented in a single synthesis.

POST-MAJOR COURSES.

**Post-
Major
Courses.**England under the Tudors, Dr. Gray. *Three hours a week throughout the year.**(Given in 1923-24 and again in 1925-26.)*

Attention is given to the rise and character of Tudor absolutism, parliamentary and local government, dynastic ambitions, foreign trade, the prosperity of the towns and the yeomen, the progress of the Reformation, and the complications in foreign affairs arising from religious changes. The readings and reports are based largely on contemporary documents.

American Constitutional History from 1783 to 1865, Dr. William Roy Smith.

*Two hours a week throughout the year.**(Given in 1922-23.)*

The lectures deal with the leading aspects of the political, constitutional, and economic history of the United States from the ratification of the constitution to the present time. The text-book used in MacDonald's *Select Documents of the History of the United States*, but frequent additional references are given to the leading secondary authorities. To a limited extent use will be made of such documents as are available in the library, and special topics will be assigned for discussion and report.

The Colonisation of America (1492-1660), Dr. William Roy Smith.

*Two hours a week throughout the year.**(Given in 1923-24 and again in 1925-26.)*

This course and the course that follows are conducted as pro-seminaries. Each student presents a series of formal reports for discussion and criticism in class. The main emphasis is placed upon the English colonisation of America, but some attention is also paid to the early history of Spanish, Portuguese, Dutch, Swedish, and French imperial expansion.

The Colonisation of America (1660-1783); Dr. William Roy Smith.

*Two hours a week throughout the year.**(Given in 1924-25 and again in 1926-27.)*

This is a continuation of the preceding course. It closes with the secession of the American colonies from the British Empire in 1776-1783.

The French Revolution and Napoleon, Dr. David.

*Three hours a week throughout the year.**(Given in 1922-23 and again in 1924-25.)*

This course treats of the history of France and of Europe from 1789 to 1815, by means of lectures, assigned readings, and reports. The period is considered as an organic whole and the career of Napoleon is regarded as that of a child of the Revolution who in his later years abuses what had made him. The increasing mass of secondary material is appraised and some printed documentary material is used for reports and references.

GRADUATE COURSES.

Three distinct seminaries, two in Mediæval and Modern European history, and one in American history are offered to graduate students in history in addition to a course in Historical Bibliography and Criticism and the direction of private reading and original research. Students may offer either European History or American History as a major for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library.

Seminary in Mediæval and Modern European History, Dr. Gray.

*Three hours a week throughout the year.**(Given in each year.)*

In 1922-23 aspects of Yorkist and Tudor England are studied. Among these are the significance of the War of the Roses, the rise of a new nobility, the character of the absolutist government, the renunciation by the English Church of papal authority, the consequent dogmatic and social changes, the commercial rivalry and the conflict with Spain.

In 1923-24 the seminary will be devoted to the problems of contemporary Europe and relies upon recent historical literature. The genesis, the progress, and the results of the world war furnish the topics for study. Attention is given to the development of the industrial society of the second half of the nineteenth century, to the staging of the conflict by national interests and rivalries, to the adaptations required by the war, and to changes attendant upon reconstruction and influenced by the commanding position of labour in the social order of the day.

In 1924-25 the seminary is concerned with the history of England during the Hundred Years' War. Diplomatic negotiations, innovations in military science, the new taxation necessitated, the hostility not infrequently shown to the government, the social changes associated with the Black Death and the Peasants' Revolt, the doctrines advocated by Wiclif, the rise of the woollen industry and of a native merchant class, are among the subjects to which consideration is given.

Seminary in American History, Dr. William Roy Smith.

*Two hours a week throughout the year.**(Given in each year.)*

In 1922-23 American Colonial History is the subject of the seminary.

In 1923-24 the seminary will deal with the Civil War and Reconstruction. Special stress is laid upon the social, economic, and political reorganization of the South, the

North, and the West, and also of the nation as a whole during the period from 1861 to 1877.

In 1924-25 the subject of the seminary is slavery and the negro problem. After preliminary survey of the history of slavery in the colonial period such topics as the slavery compromises of the constitution, the growth of slavery in the South, the abolition of the slave trade, the Missouri Compromise, the anti-Slavery movement, nullification, the Mexican War, the Wilmot Proviso, the compromise measures of 1850, the Kansas-Nebraska bill, the Dred Scott decision, the abolition of slavery, and the adoption of the thirteenth, fourteenth, and fifteenth amendments are discussed. Special attention is paid to the conflict between sectionalism and nationalism and the connection between slavery, territorial expansion, and the development of constitutional theories.

In 1925-26 the Revolution, the Confederation, and the Constitution will be the subject of study. American history from 1776 to 1789 is discussed primarily from the local point of view as a step in the conflict between the seaboard aristocracy and the democracy of the frontier. The social and economic forces which led to the adoption of the Federal Constitution and the subsequent formation of national political parties are investigated.

All students offering this seminary for the degree of Doctor of Philosophy are required to offer in addition the course in Historical Bibliography and Criticism.

Seminary in Mediæval and Modern European History, Dr. David.

Two hours a week throughout the year.

(Given in each year.)

In 1922-23 the subject of the seminary is England during the transitional period of the late eighteenth and early nineteenth centuries. The genesis and development of the parliamentary reform movement are traced from 1768 to the passage of the Reform Act of 1832. Special attention is devoted to the influence of the French Revolution on English opinion and to the effects of the long struggle with revolutionary France and with Napoleon upon English internal history. The Industrial Revolution, with the grave social and economic consequences which it involved, is also made a subject of special study.

In 1923-24 the subject of the seminary will be England during the twelfth and thirteenth centuries. Special attention is paid to institutional and cultural developments, and to English continental possessions and connections.

In 1924-25 the subject of the seminary will be the French Revolution. Topics are selected for study from various periods and phases of the Revolution with a view to illustrating different kinds of historical problems, gaining an acquaintance with the principal printed sources and secondary works, and extending the student's knowledge of the revolutionary movement as a whole. Attention is paid to social and economic conditions, to political institutions, and to the intellectual movement under the Old Régime, as being essential to an understanding of the Revolution itself; and in the period beginning with 1789 the economic and social aspects and consequences of the revolutionary movement are steadily borne in mind.

Historical Bibliography and Criticism, Dr. David.

One hour a week throughout the year.

Historical bibliography is the subject of the course during the first semester. Special attention is paid to bibliographical guides; to libraries, archives and manuscript collections; to important sets of printed sources; to the development of historical studies since the Renaissance; and to the work and rank of leading historians of the nineteenth century. Historical analysis and synthesis are treated during the second semester. Special attention is paid to the external and internal criticism of documents; to the auxiliary sciences; to the arrangement and presentation of the results of historical research; and to the relation of history to science. The course consists of informal lectures and supplementary reading, with some assigned topics illustrative of the problems under discussion. This course should be elected by all students in history during their first year of graduate study.

Historical Journal Club, Dr. Gray, Dr. William Roy Smith, and Dr. David.

Two hours once a fortnight throughout the year.

The instructors in the department of history and the graduate students who are pursuing advanced courses in history meet once a fortnight to make reports upon assigned topics, review recent articles and books, and present the results of special investigations.

Economics and Politics.

The instruction in this department is under the direction of Dr. Marion Parris Smith, Professor of Economics and Politics, Dr. Charles Ghequiere Fenwick, Professor of Political Science, Miss Marjorie Lorne Franklin,* Instructor in Economics and Politics, and Dr. Benjamin H. Williams,† Lecturer in Politics.

The instruction offered in this department covers thirty-two hours of lectures a week; it includes fifteen hours a week of undergraduate minor and major work; one hour of free elective, seven hours a week of post-major work open only to graduates and to undergraduates who have completed the major course in economics and politics; and nine hours a week of graduate work.

The object of the undergraduate courses in economics and politics is three-fold: first, to trace the history of economic and political thought; second, to describe the development of economic and political institutions; and third, to consider the practical economic and political questions of the day. Instruction is given by lectures. The lectures are supplemented by private reading, by oral and written quizzes, by written theses and reports, and by such special class-room exercises as the different subjects require.

FIRST YEAR.

(*Minor Course.*)

1st Semester.

(*Given in each year.*)

Introduction to Economics, Dr. Marion Parris Smith and Miss Franklin.

Five hours a week. Major Course.

(This course may be taken as a free elective. The class is divided into two sections, A and B, one conducted by Dr. Marion Parris Smith and one by Miss Franklin.)

The objects of this course are to introduce the students to the economic problems in the modern state, and to train them to think clearly on economic subjects. The subjects considered are production, agricultural and industrial; distribution of wealth, the mechanism of exchange, economic institutions of money, banking, foreign exchange, markets; transportation, etc.

Students are required to write occasional short papers in connection with their private reading, and one short report on a specially assigned topic.

2nd Semester.

Introduction to Government and Politics, Dr. Fenwick and Dr. Williams.

Five hours a week.

(This course may be taken as a free elective. The class is divided into two sections, A and B, one conducted by Dr. Fenwick and one by Dr. Williams.)

* Resigned, January, 1923. † Appointed, January, 1923.

The object of this course is to present the structure and organization of the government of the United States and of the government of the several states, together with an examination of the party system and its effects upon the actual operations of government. It is followed by a comparative study of the governments of Great Britain, France, and Germany.

SECOND YEAR.

1st Semester.

(Given in each year.)

Present Political Problems, Dr. Fenwick.

Five hours a week.

(This course may be elected only by students who have studied economics and politics at least five hours a week for one year. Under this condition it may be taken as a free elective.)

The object of this course is to present the chief political problems that have arisen in recent years. The study of practical problems is preceded by a study of theories relating to the origin and nature of the state, its end or object, and the proper sphere of state activities, under which last heading the various theories of individualism, liberalism, and socialism will be studied. Modern reforms in federal, state, and city government are next studied, and particular stress is laid upon the extension of federal power in the United States and the relation between the Fourteenth Amendment and modern social and economic legislation adopted in the exercise of the police powers of the several states.

2nd Semester.

History of Economic Thought and Recent Economic Problems, Dr. Marion Parris Smith.

Five hours a week.

The course is divided into two parts: Part I aims to give students an historical introduction as a basis for a critical study of modern economic problems. The students read in connection with this section parts of Adam Smith's *Wealth of Nations*; Ricardo's *Principles of Political Economy and Taxation*; Malthus's *Principles of Population*; and selections from the writings of John Stuart Mill, Jevons, Wicksteed, Boehm-Bawerk, and Pantaleoni.

In Part II certain modern economic problems are considered in some detail: distribution under socialism, co-operation, profit sharing, the minimum wage, the eight-hour day, tax reforms, price fixing, etc. Numerous short papers in connection with the reading, and one long report on some specially assigned subject are required.

Group: Economics and Politics with Modern History or with Philosophy, or with Philosophy and Psychology, or with Psychology, or with Geology.

FREE ELECTIVE COURSE.

Free Elective Course.

Elements of Law, Dr. Fenwick.

One hour a week throughout the year.

(Given in each year.)

(This course may be elected only by students who have studied economics and politics or modern history at least five hours a week for one year.)

The object of this course is to familiarize the student with the principles and technical terms of those branches of private law with which the ordinary citizen is brought into contact. The subjects covered include Persons and Domestic Relations, Contracts, Torts, Real and Personal Property, and the chief forms of procedure. The lectures are supplemented by a study and discussion of court cases bearing on the subject.

POST-MAJOR COURSES.

Post Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Economic and Social Legislation in Great Britain and the United States,
Dr. Marion Parris Smith.

Three hours a week throughout the year.

(Given in 1922-23.)

The object of this course is to give advanced students of economics training in using source material. In the first semester recent British legislation is studied; poor laws, old age pensions, industrial insurance, town planning, housing, education, public sanitation, etc. In the second semester, the topics studied are in connection with state and federal legislation in America; immigration, labour legislation; conservation of natural resources; land reform, etc.

American Economic and Social Problems, Dr. Marion Parris Smith.

Three hours a week throughout the year.

(Given in 1923-24 and again in 1925-26.)

The object of the course is to give advanced students training in the use of source material for economic and social studies, and the methods of study useful in graduate or professional studies. A few introductory lectures trace the history of certain social and economic events in the United States from 1865 to the present time; but the main work of the course consists in studies made by the students and presented to the class for discussion. Changes in rural and urban population, development of city life; problems of country life; immigration and race problems; food distribution and marketing, the cost of living, are among the subjects included.

The following post-major course, open to graduate students, is offered with special reference to the needs of students working for civil service and consular examinations:

The Economic Background of American Foreign Trade, Dr. Marion Parris Smith.

Three hours a week throughout the year.

((Given in 1924-25 and again in 1926-27.)

This course is divided into three sections with a brief historical introduction. Part I is devoted to American trade with Europe; Part II, Pan-American trade; Part III, Oriental trade. The general object of the course is to study the economic factors involved in American foreign trade, its extent and the chief problems presented and the degree of American dependence on the markets of other countries. Each student presents during the year a number of short reports which are discussed in the class. The aim of this method is to familiarize the students with the general subject, to give them certain precise bibliographical knowledge, and to afford some training in the arrangement and presentation of economic material.

Constitutional Questions involved in Modern Social and Economic Problems, Dr. Fenwick.

Two hours a week throughout the year.

(Given in 1922-23 and again in 1924-25.)

In this course the chief economic and social problems of the United States are studied from the points of view of the restrictions placed by the Constitution upon the legislative powers of Congress and of the several states when dealing with those subjects. Decisions of the federal and state courts form the basis of the course.

International Law, Dr. Fenwick.

Two hours a week throughout the year.

(Given in 1923-24 and again in 1925-26.)

The object of this course is to present the rules of international law as a positive system with an historical background of custom and convention. Use is made of judicial decisions of British and American courts applying the principles of international law wherever such cases are in point, and an endeavor is made to determine the precise extent to which a given rule is legally or morally binding upon nations. In view of the importance of the question of international reorganization at the present time stress is laid upon the problems involved in a League of Nations.

Municipal Government.*Two hours a week throughout the year.**(Given in each year.)*

During the first semester the course deals with the historical development of municipal government, the causes of municipal corruption and disorganization, and the newer forms of constructive organization such as the commission and city-manager types of municipalities. On the basis of this introduction a study of municipal administration follows, covering such topics as municipal finance, town planning, public health, and sanitation. Class discussions and reports will be supplemented by observation trips and inspection of municipal departments in Philadelphia. In the second semester a comparative study is made of conditions in British, French and German municipalities. This course was given by Miss Franklin in the first semester of 1922-23.

GRADUATE COURSES.

Graduate Courses.

Nine hours a week of seminary work and graduate lectures are offered each year to graduate students of economics and politics.

Three seminars, one in economics, two in political science, are offered each year in addition to the direction of private reading and original research. An advanced course in statistics is given in the Department of Social Economy. Post-major courses amounting to seven hours a week which may be elected by graduate students are given in each year. Students may offer either economics or politics as their major subject for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library.

Seminary in Economics, Dr. Marion Parris Smith.*Two hours a week throughout the year.**(Given in each year.)*

The object of the seminary is to train students in the methods of research, and in the organization of material. In short reports and long papers members of the Seminary are given practice in using original sources and in a critical study of secondary sources. The seminary discussion is supplemented by occasional lectures. Each student receives individual direction, and graduate studies are specially designed to prepare advanced students for Government Civil Service Examinations in the Department of State, Department of Commerce, and the Department of Labor, as well as for higher degrees.

In 1922-23 and again in 1925-26 The Economic History of the United States, with special reference to Monetary and Banking Systems, Tariff and Foreign Trade, the Rise of the Factory System, the Development of Transportation, is the special subject of the seminary.

In 1923-24, Present Problems of Distribution. The subject of this seminary is the distribution of wealth in the modern industrial state. This includes such special topics as a study of the statistics of Incomes, Wage Problems, Limitation of Profits and Profit-sharing, Income and Excess Profit Taxation, Land Reforms, Projects for controlling Monopolies.

In 1924-25 The Industrial Revolution in Great Britain and America will be the subject of the seminary.

Seminary in Politics, Dr. Fenwick.*Three hours a week throughout the year.**(Given in each year.)*

The methods of instruction in the seminary are designed to guide advanced students in special research work along the lines indicated by the titles of the courses. Some lectures

are given but the main attention is devoted to the presentation and criticism of the results of studies made by the students themselves.

In 1922-23 the Constitutional Law of the United States is the subject of the seminary. The decisions of the Supreme Court of the United States form the basis of the work. Special stress is laid upon the relations between the federal and state governments, interstate commerce, and due process of law under the Fourteenth Amendment. Students are required to present brief reports upon assigned cases in the first semester and to prepare a longer report upon a group of cases in the second semester.

In 1923-24 Comparative Constitutional Government will be the subject of the seminary. The object is to compare and contrast the several forms of constitutional government represented by the United States, Great Britain, France and Germany, together with a study of the new constitutional governments of Russia, Czecho-Slovakia, and China, if proper material be available. Among the questions raised are the location of sovereign power, the authority of the constitution, the restrictions placed by the constitution upon the governing bodies, and the protection afforded by the constitution to the rights of individuals and minorities.

In 1924-25 Constitutional Questions involved in Modern Economic and Social Problems will be the subject of the seminary. The chief economic and social problems of the United States are studied from the point of view of the restrictions placed by the Constitution upon the legislative powers of Congress and of the several states dealing with those subjects. As an introduction the various theories relating to the proper functions of the state are discussed.

Seminary in Municipal Government. *Three hours a week throughout the year.*

(Given in each year.)

The seminary deals with the structure and functions of modern municipal government. The legal relation of the city to the state, city charters, various types of city government, including the commission and city-manager forms, are considered in the early part of the course. A study of modern municipal administration follows, including municipal finance and budgetary problems, city planning, housing, public health and sanitation, franchises and public utilities. The discussion of modern agencies for research in city government is supplemented by practical field work at the Philadelphia Bureau of Municipal Research. In 1922-23 this seminary was conducted by Miss Franklin in the first semester and by Dr. M. P. Smith and Dr. Fenwick in the second semester.

Economics and Politics Journal Club, Dr. Marion Parris Smith, Dr. Fenwick, and Miss Franklin. *Two hours once a fortnight throughout the year.*

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment, and criticism.

Social Economy and Social Research.

The Carola Woerishoffer Graduate Department of Social Economy and Social Research.

The Carola Woerishoffer Graduate Department of Social Economy and Social Research was opened in the autumn of 1915 in order to afford women an opportunity to obtain an advanced scientific education in Social Economy which, it is hoped, will compare favorably with the best preparation in any profession. It is known as the Carola Woerishoffer Graduate Department in order that the name of Carola Woerishoffer, who devoted her life to social service and industrial relations, may

be associated in a fitting and lasting way with Bryn Mawr College which she so generously endowed.

The instruction in this department is under the direction of Dr. Susan Myra Kingsbury, Carola Woerishoffer Professor of Social Economy and Director of the Carola Woerishoffer Graduate Department of Social Economy and Social Research; Dr. Neva Ruth Deardorff, Associate Professor of Social Economy; Miss Henrietta S. Additon, non-resident lecturer in Social Economy; Mrs. Eva Whiting White, non-resident lecturer in Social Economy; Miss Helen Rankin Jeter, Instructor in Social Economy; Dr. Alice Hamilton, Special Lecturer in Industrial Poisons; a special Lecturer on Social Hygiene. The departments of Economics and Politics, Psychology, Education, and Philosophy offer seminars and courses strongly recommended to students of Social Economy, under the direction of Dr. Marion Parris Smith, Professor of Economics; Dr. Charles Ghequiere Fenwick, Professor of Political Science; Dr. Theodore de Leo de Laguna, Professor of Philosophy; Dr. James H. Leuba, Professor of Psychology; Dr. Clarence Errol Ferree, Professor of Experimental Psychology; Dr. Gertrude Rand, Associate in Experimental and Applied Psychology; Dr. Matilde Castro, Professor of Education; Dr. Ada Hart Arlitt, Associate in Educational Psychology; and Mr. Samuel Arthur King, Non-Resident Lecturer in English Diction.

*Pre-
requisites.*

The courses in Social Economy and Social Research are intended for graduate students who present a diploma from some college of acknowledged standing and no undergraduate students are admitted.

Students of this department must offer for admission to their graduate work a preliminary course in economics, and more advanced courses equivalent to the Bryn Mawr College major course in economics, politics, sociology, history, psychology, or philosophy, and also preliminary work in psychology or sociology.*

The courses are planned on the principle that about two-thirds of the student's time shall be given to the study of theory and the remaining one-third to practical work.

* Students not having had courses in psychology and sociology may be expected to supplement their preparation by taking work at a university summer school of recognized standing.

In the first year the student will probably pursue a seminary in the theory and technique applied to her chosen field, as for example: Social Case Work, or Community Organization, or Industrial Organization in which she will give 9 to 14 hours, according to preference, to practice or field work in an institution or with a social agency or in a business firm chosen in relation to her selected field; she will take the seminary in theory most closely related to her special interests; unless already qualified she will take the course in statistics, and she will elect a third seminary. In addition all students attend the Journal Club. Each seminary requires about 14 hours of work each week, including hours of lecture, discussion, and conference. Full graduate work involves about 43 hours of work per week.

*Practice or
Field Work.*

Practice work in each field consists of two types: (1) field work consisting of 7 to 12 hours (as may be elected by the student), 1 hour of individual conference each week, and 2 hours of seminary discussion in alternate weeks; (2) non-resident experience with social institutions, agencies, or business firms obtained during one month in December and January and during the summer following the eight months of work in Bryn Mawr College. The year's programme of the students will therefore run as follows: (1) Work at Bryn Mawr College, October 1st to December 9th, during which period at least one day a week is given to field work. (2) A Christmas practicum in which the student gives full service to a social organization or a mercantile or manufacturing establishment from December 11th to January 5th in New York, Boston, Philadelphia or elsewhere. (3) January 8th to February 1st, during which period the student will give her entire time to classes and study at Bryn Mawr College. (4) February 1st to June 1st, during which time the student will give one day a week to field practice work, with the exception of the Easter vacation. (5) The Summer practicum from June 11th to August 4th, during which time the student will give all of her time to practical work with a social organization or a mercantile or manufacturing establishment. The field work during the time of residence at the College, and during the Christmas and Summer practicum is under the careful supervision of an instructor of the Department.

After one year of work in this department one-half year may be given to a practicum in residence in a social service institution, in connection with a social welfare or community organization, in a federal or state department of labour and industry, in a federal or state employment office, or in a manufacturing or mercantile establishment in Philadelphia, New York, New England, or elsewhere, during which time the practical work and special reading and research will be supervised by the instructor in charge of the practicum and by the head of the institution, department or business firm.

*Certificates
and
Degrees.*

Students entering the Department are expected to pursue the work for at least one year. Unless the student has had undergraduate courses especially fitting her for professional social work, and experience in social work, at least two years are necessary for satisfactory preparation. A certificate will be given upon the completion of one or two years' study. One year of graduate work in the social sciences including economics, politics, sociology, history, education or in psychology or biology will be accepted toward the two-year certificate.

Graduates of Bryn Mawr College, and graduates of other colleges who shall have satisfied the Academic Council that the course of study for which they have received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or who shall have attended such additional courses of lectures as may be prescribed, may apply to the Academic Council to be enrolled as candidates for the degrees of Master of Arts or of Doctor of Philosophy;* admission to the graduate school does not in itself qualify a student to become a candidate for these degrees.

Candidates for the degree of Doctor of Philosophy in Social Economy and Social Research may select the associated or independent minor from the graduate seminars and courses outlined in this Calendar or from other graduate seminars or courses, subject to the approval of the Graduate Committee. Candidates for this degree in other departments may elect, with the approval of the Director of the Department, these seminars for the associated or the independent minor according to the regulations of the Academic Council of Bryn Mawr College.

* For requirements for the Master's degree and the degree of Doctor of Philosophy see pages 184 to 188.

FREE ELECTIVE COURSES.

Elements of Statistics, Dr. Kingsbury. *One hour a week throughout the year.*

(Given in each year.)

**Free
Elective
Courses.**

This course deals with the elementary principles of statistics and their application. Among the topics are the array, frequency distributions, averages, measures of variation, probability and theory of errors, theory of sampling, index numbers, logarithmic curves, graphic methods, comparisons, and the elements of linear correlation. It also attempts briefly to instruct the student in the principles and methods of record keeping and filing which are applicable to municipal, state, and federal offices, to business organizations, and to social organizations and investigation, and with the methods of securing, analyzing, interpreting and presenting social data. Formation of the various types of schedules, tabulation of information secured, and the framing of tables are among the subjects considered.

The course is especially recommended to students of social economy and of economics. No knowledge of mathematics beyond the requirements for matriculation is presupposed.

Applied Sociology, Dr. Deardorff. *Two hours a week throughout the year.*

(Given in each year.)

The first semester's work includes a brief survey of populations, especially of the United States, and a study of the racial, national, economic and social factors which determine standards of living. The course then considers the forces which contribute to the formation of society, the processes through which society has evolved and the final product in social institutions. This discussion having provided a concept of the nature of society affords a point of departure from which to consider social conditions and organized efforts for social betterment. In the second semester the course includes a survey of the origin, growth, and present methods of the most important social service organizations in order to instruct the student in the fields of activity in which social work is being carried on: (1) social education, through settlements, civic centers or other neighborhood organizations; (2) improvement of industrial conditions, through association for labor legislation, labor organizations, or consumers' efforts; (3) child welfare, through societies for care and protection of children; (4) family care, through organizations for the reduction and prevention of poverty; (5) social guardianship, through the probation work in the juvenile courts of corrective institutions.

This course is open to students who have attended the course in Minor Economics.

GRADUATE COURSES.

The following graduate seminars and courses may be elected subject to the approval of the Director of the Department by students working for the first and second year certificates as well as by candidates for the degree of Master of Arts or of Doctor of Philosophy in Social Economy and Social Research, or may be offered as the associated or independent minor with the approval of the Director of the Department when the major is taken in certain other departments according to the regulations of the Academic Council.

**Graduate
Courses.**

Seminary in Social and Industrial Research, Dr. Kingsbury.

Three hours a week throughout the year.

(Given in each year.)

Research in Social Economy involves two distinct types of studies. First, that which uses manuscripts or printed documents as sources of information, and second, that which secures data concerning human relations and social conditions from individuals, groups, organizations, or institutions. Both phases of social research necessitate an ability to discover cause and effect, to see the relations and interpret the interaction of social forces, to recognize and evaluate the factors conditioning or controlling social situations, and to establish facts concerning social phenomena.

Consequently, training in the acquisition, arrangement, analysis, and interpretation of data is essential for students undertaking either phase of social research. As other seminars in the Department and allied departments deal primarily with the first type of studies, this seminary is devoted exclusively to the second type. A subject is selected and arrangements made which will require students to secure social data by work in the field. The material is then organized, analyzed, and interpreted by the members of the seminary. In this way, training is given in filling out schedules, classifying data, drawing up tables, analyzing results, and interpreting material as a whole. The group of students may cooperate to produce a study which it is hoped will prove a contribution to our knowledge of social or industrial conditions.

In 1922-23 the seminary is conducting a study of the ambitions, aims and interests of young women in industry.

In 1923-24 the seminary will be selected from the following aspects of Social and Industrial Problems: (1) social relations, (2) standards of living, including income and wages, (3) the relation of health and industry, (4) industrial relations of women and minors.

As the chief subjects of investigation will vary from year to year, as noted above it will be possible for students to follow the work of the seminary for two consecutive years.

Seminary in Races and Peoples, Dr. Deardorff.

Two hours a week throughout the year.

(Given in each year.)

A study is made of the definitions of race, of theories regarding the origin and evolution of races, and of the sociological characterization of peoples. This is followed by studies in special problems of immigration and assimilation in the United States.

Seminary in the Family as a Social Institution, Dr. Deardorff.

Two hours a week throughout the year.

(Given in each year.)

A study is made of theories regarding the origin and evolution of the family as a social institution; and of the forms of the family and marriage customs as they have been scientifically observed among groups of nature peoples. Modern theories as to the future of the family and its relation to the other social institutions are also covered.

Seminary in Labour Organization, Miss Jeter.

Two hours a week throughout the year.

(Given in each year.)

Some elementary study of labour problems is a prerequisite to this seminary. The seminary deals with the history, theory, methods, structure, and legal status of trade union organization in the United States. Methods of collective bargaining in particular industries are studied in some detail. This is followed by discussion of proposals for the improvement of industrial relations and the movement toward a share in the control of industry.

Students are expected to attend meetings of the Women's Trade Union League, the Philadelphia Central Labour Union, and meetings or lectures of direct importance to the labour movement.

Seminary in Research in Labour Problems, Miss Jeter.

Two hours a week throughout the year.

(Given in each year.)

This course is open ordinarily only to second year students. It must be preceded by the seminary in Labour Organization or its equivalent. The general field of research is that covered by the seminary in Labour Organization. The special subjects treated are determined by the particular interests of the students. Material collected by the students is discussed in conference and presented in reports.

Seminary in Social Education, Dr. Castro.

Two hours a week during the first semester.

(Given in each year.)

The Essentials of Educational Theory and Practice for Community Workers are studied in this seminary. The subjects dealt with serve as an introduction to the educational prin-

ciples involved in the intelligent direction of such activities as community centers, settlement classes, clubs, etc. Among the subjects studied will be the characteristic mental and physical development of childhood, adolescence, youth, and maturity. This study will be used as a basis for the selection of the educational materials and methods appropriate to the needs and capacities of different groups of varying ages and differing educational opportunities.

Seminary in Educational Methods and Measurements, Dr. Castro.

Two hours a week throughout the year.

(Given in each year.)

The seminary takes up the principles of educational methods and teaching technique. The latter part of the work deals with the theory and practice of educational measurements. The special subjects considered vary from year to year.

Psychological Seminary, Dr. Leuba.

Two hours a week throughout the year.

(Given in each year.)

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: the psychology of mental and moral deficiencies with reference to the social problems they present, including case studies and research work in problems of delinquency; instinct, feeling and emotion; the psychology of religion and of ethics; social psychology; abnormal psychology and Freudian psychology.

Seminary in Social Psychology, Dr. Leuba.

Two hours a week during the second semester.

(Given in each year.)

In 1922-23 and again in 1924-25 the principles of social psychology and their applications to social problems are the subject of the seminary.

In 1923-24 and again in 1925-26 abnormal psychology, chiefly mental and moral deficiency, and its social implications: or temperament and character and their instinctive and emotional foundation will be studied.

This seminary, together with the seminary in Social Philosophy, or in Social Education, given in the first semester, may be counted as a seminary by students in the Department of Social Economy and Social Research.

Seminary in Social and Political Philosophy, Dr. T. de Laguna.

Two hours a week during the first semester.

(Given in each year.)

The topics chosen for discussion vary from year to year. Among them will be such subjects as: the general nature of law; sovereignty and allegiance; the conception of personal liberty; property; punishment; marriage and the family; moral education. This seminary is open to students who have pursued an elementary course in philosophy. It may be elected separately or may be combined with the seminary in Social Psychology given in the second semester to count as a seminary in the Department of Social Economy and Social Research.

Seminary in Community Organization and Administration, Mrs. White.

Two hours a week throughout the year.

Laboratory and Field Work, Dr. Kingsbury and Dr. Deardorff.

Twelve hours a week throughout the year.

(Given in each year.)

In the first semester the following subjects are covered:

- (1) A study of the development of the community, of its physical aspects and its political and social organization.
- (2) Analysis of Primary and Universal Groups including the relation of the individual to these groups.
- (3) Survey of the Field of Social Work. The place of Community Organization in the progress of society.

(4) Major industrial, social, and political problems and the application of the findings of sociology, economics, psychology, political science to the solving of those problems.

(5) Principles of Case Work to be used in Community Organization.

In the second semester the work includes:

(1) First steps in organizing a community, including methods of approach to strategic groups and to strategic individuals. Formation of a representative governing body. The community survey. Method of deciding on a programme of action.

(2) Questions of Management. Committee organization. Staff organization. Budget making and accounting. Records. Office systems. Selection, training, and supervision of volunteers. The community building; its equipment and operation.

(3) Community Finance and Publicity. The Community Chest. The growth of local federations of social and civic agencies.

(4) Group Organization. The club, class, or society. Age groupings. Special interest groups. Methods of gauging the personal and social needs of the individual through group action. Educational, civic, social, recreational programmes for groups.

(5) Units of Community Organization: city or town, neighborhood, block.

(6) Community Cooperation with city or town governments, with public health agencies, with schools, with social and philanthropic agencies, with civic bodies and with churches.

(7) Public and private forms of Community Organization. Use of schoolbuildings and of libraries as community centers. The development of public recreation systems, playgrounds and parks. Extension work of national departments. The programme of the Red Cross, of Community Service, and the Social Settlement. The local improvement society and the Community Council.

The course also takes up the question of legislative procedure, town planning, housing, the cooperative movement, and citizenship programmes.

The Practicum in Community Organization and Administration combines practical work in social and community education with reports and discussions. It must be preceded or accompanied by the seminary in Social Education—Essentials of Educational Theory and Practice for Social Workers—or its equivalent. In addition to reports and conferences, seven or twelve hours a week, according to election, are devoted to active work in a social center or settlement by which the student gains vital illustration of the principles and organization of community work.

The practicum is under the direction of Dr. Kingsbury and Dr. Deardorff and of the director of the particular agency or department and is so arranged as to give to the student training in the following activities:

(1) Direction and teaching of clubs and classes as observers, visitors, helpers and assistants.

(2) Regular daily management as assistants and later as directors.

(3) General administrative assistance in office work, including record-keeping, in library work, in activities to secure publicity, in preparation of newspaper articles, reports, posters, exhibits, parades, dramatics, plays, festivals, demonstrations, concerts, and lectures, in public speaking and writing, and in conducting financial campaigns and special studies.

(4) Teaching in night schools of classes in civics and elementary subjects, and conducting games, dramatics, gymnastics, playgrounds and kindergarten activities.

(5) Co-operation with civic movements, community campaigns and emergency activities, school programmes and publicity.

Training in the theory and supervision of practice in Physical Education may accompany this seminary.

Two or three months of non-resident practice in social centers and settlements, playgrounds or fresh-air camps may be arranged for the summer following the resident work at Bryn Mawr.

The fields from which the subject for the practicum may be chosen are community, civic and social centers, settlements, playgrounds, and health and recreation centers, and have included the Bryn Mawr Community Center, The Philadelphia College Settlement, The Young Women's Christian Association, and work in smaller neighboring communities.

The theory upon which community work is based and the technique used in its conduct are presented in this course to accompany the field practice. Experience of the student in the field is constantly used to exemplify the principles formulated.

The following graduate courses in statistics will be offered when required:

Advanced Statistics.

Two hours a week throughout the year.

This course attempts to study intensively the subjects of correlation and causation, or the functional relationships between series of facts. The main considerations of the course are the method of least squares, the theory of linear correlation, skew distribution, partial correlation, and the theory of contingency.

The course must be preceded by the course in Elements of Statistics or its equivalent, and a foundation in mathematics including the Calculus is desirable to facilitate ease in comprehension.

If accompanied by the Special Research in Statistics the course becomes equivalent to a seminary.

Special Research in Statistics.

Seven hours of laboratory work a week throughout the year.

This course, including laboratory analysis and reports, is offered in each year in connection with the course in Advanced Statistics, and the two courses taken together are equivalent to a seminary.

Seminary in Social Case Work, Miss Additon.

Two hours a week throughout the year.

Laboratory and Field Work, Miss Additon.

Twelve hours a week throughout the year.

(Given in each year.)

This seminary aims toward the preparation of the student to handle the individual case problems arising out of dependency, defect and delinquency. This involves a study of the method of investigation of the individual case, the objectives and methods of treatment, the agencies, both public and private, for giving expert services, special forms of care and assistance and legal custody. Studies are made of the adaptation of fundamental principles of investigation and treatment to particular forms of social maladjustment and physical and mental defect. The student is instructed in the theories of social responsibility with reference to these classes, of preventive measures already in effect, and of opportunities to extend preventive measures.

The Practicum in Social Case Work consists of field work carried on 7 to 12 hours per week according to election with such agencies as the following: The Philadelphia Society for Organizing Charities; The Home Service Department of the Red Cross; The Children's Bureau, an agency which investigates all complaints concerning children; The Children's Aid Society, a child-placing agency; The White-Williams Foundation, and Hospital Social Service Departments.

The field work with these agencies is under the supervision of Miss Additon and of the director of the particular agency or department. In addition to the regular practice work, students are taken on observation trips to courts, almshouses, orphanages, asylums, institutions for the feeble-minded, the blind, the crippled, hospitals, etc.

Seminary in Industrial Relations, Miss Jeter.

Three hours a week throughout the year.

Laboratory and Field Work, Miss Jeter. *Twelve hours a week throughout the year.*

(Given in each year.)

This seminary deals with the general problems of modern industrial organization, including factory management, marketing, insurance and the price system. Special attention is given to the technique of Personnel Administration, and among the subjects discussed are the following: The functions of the personnel manager; factory lighting, ventilation, and sanitation; prevention of accidents and industrial disease; methods of selection and placement of employees; training and education; joint relationships of employer and

employees; forms, records, and reports; investigations with regard to labour turnover, absenteeism, tardiness, fatigue, safety, and job analysis.

Field work during residence is accompanied by a two hour discussion period every two weeks on the practical problems confronting the student, and by observation visits to industrial establishments in the vicinity.

The seminary must be accompanied by the seminary in Labour Organization.

Seminary in Research in Personnel Problems, Miss Jeter.

Two hours a week throughout the year.

(Given in each year.)

This seminary must be preceded by the seminary in Industrial Organization and Personnel Administration and will be open only to second year students. Subjects of research and methods of work will vary from time to time with the needs and interests of the students.

The following courses are open to graduate students by special arrangement:

Criminal Law.

Two hours a week throughout the year.

By special arrangement with the Law School of the University of Pennsylvania students in this department may pursue the course in Criminal Law offered by Dean Mikell at the Law School, Thirty-fourth and Chestnut Streets, Philadelphia.

This course may accompany the seminary in Social Case Work.

Criminal Procedure.

Two hours a week throughout the year.

By special arrangement with the Law School of the University of Pennsylvania students in this department may pursue the course in Criminal Procedure offered by Dean Mikell, at the Law School, Thirty-fourth and Chestnut Streets, Philadelphia.

This course must be preceded by the course in Criminal Law.

General Course in Articulation and Voice Production, Mr. King.

One half hour a week throughout the year.

(Given in each year.)

The object of this course is to train speakers in accurate and distinct articulation and to eliminate the faults of bad production. Speech is resolved into its phonetic elements which are made the basis of practical exercises so arranged as to be progressive in their difficulties.

Social Hygiene.

One-half hour a week during the second semester.

A course of lectures in Social Hygiene is open to students working in the department.

Social Economy Journal Club, Dr. Kingsbury, Dr. Deardorff, Miss Additon and Miss Jeter.

Two hours once a fortnight throughout the year.

Current books and articles are reviewed, recent reports, surveys and investigations are criticised, and the results of important research are presented for discussion.

Seminary in Economics, Dr. Marion Parris Smith.

Two hours a week throughout the year.

(Given in each year.)

The object of the Seminary is to train students in the methods of research, and in the organization of material. In short reports and long papers members of the seminary are given practice in using original sources and in a critical study of secondary sources. The seminary discussion is supplemented by occasional lectures. Each student receives individual direction, and graduate studies are specially designed to prepare advanced students for Government Civil Service Examinations in the Department of State, Department of Commerce, and the Department of Labor, as well as for higher degrees.

In 1922-23 and again in 1925-26, The Economic History of the United States is studied with special reference to Monetary and Banking Systems, Tariff and Foreign Trade, the Rise of the Factory System, the Development of Transportation.

In 1923-24 Present Problems in Distribution: The subject of this seminary is the distribution of wealth in the modern industrial state. This includes such special topics as a study of the statistics of Incomes, Wage Problems, Limitation of Profits and Profit-sharing, Income and Excess Profit Taxation, Land Reforms, Projects for Controlling Monopolies.

In 1924-25 the Industrial Revolution in Great Britain and America will be the subject of the seminary.

Seminary in Politics, Dr. Fenwick.

Three hours a week throughout the year.

(Given in each year.)

The methods of instruction in the seminary are designed to guide advanced students in special research work along the lines indicated by the titles of the courses. Some lectures are given, but the main attention is devoted to the presentation and criticism of the results of studies made by the students themselves.

In 1922-23 the Constitutional Law of the United States is the subject of the seminary. The decisions of the Supreme Court of the United States form the basis of the work. Special stress is laid upon the relations between the federal and state governments, interstate commerce, and due process of law under the Fourteenth Amendment. Students are required to present brief reports upon assigned cases in the first semester and to prepare a longer report upon a group of cases in the second semester.

In 1923-24 Comparative Constitutional Government will be the subject of the seminary. The object is to compare and contrast the several forms of constitutional government represented by the United States, Great Britain, France and Germany, together with a study of the new constitutional governments of Russia, Czecho-Slovakia, and China, if proper material be available. Among the questions raised are the location of sovereign power, the authority of the constitution, the restrictions placed by the constitution upon the governing bodies, and the protection afforded by the constitution to the rights of individuals and minorities.

In 1924-25 Constitutional Questions involved in Modern Economic and Social Problems will be the subject of the seminary. The chief economic and social problems of the United States are studied from the point of view of the restrictions placed by the Constitution upon the legislative powers of Congress and of the several states dealing with those subjects. As an introduction the various theories relating to the proper functions of the state are discussed.

The following seminary is offered in each year:

Seminary in Municipal Government.

Three hours a week throughout the year.

This seminary deals with the structure and functions of modern municipal government. The legal relation of the city to the state, city charters, various types of city government, including the commission and city manager forms, are considered in the early part of the course. A study of modern municipal administration follows including municipal finance and budgetary problems, city planning, housing, public health and sanitation, franchises and public utilities. The discussion of modern agencies for research in city government is supplemented by practical field work at the Philadelphia Bureau of Municipal Research.

Seminary in Intelligence Tests, Dr. Arlitt.

Two hours a week throughout the year.

Laboratory Work in Intelligence Tests, Dr. Arlitt.

Four hours a week throughout the year.

(Given in each year.)

The work of the seminary is devoted to a critical survey of the field of mental tests. The laboratory work includes training in the use of tests followed by the practical application of them in schools.

Seminary in Applied Psychology, Dr. Rand.

Two hours a week throughout the year.

Laboratory Work, Dr. Rand.

*Four hours a week throughout the year**(Given in each year.)*

This course combines seminary, laboratory drill and research features, and covers the psychological aspects of mental testing with special application to problems of vocational guidance and to the testing of normal adults, adult and juvenile delinquents and defectives.

In the seminary work, the requirements of mental tests, their standardization and statistical treatment are considered. The laboratory drill work consists of training in the application of general intelligence and diagnostic tests to normal children and adults. This furnishes a standard of the normal reaction to the tests as well as practice in giving the tests. Later the work will be with delinquents and defectives. The research work will be done in connection with Vocational Guidance Bureaus. Two problems will be considered here: (a) the devising and standardizing of specific tests for diagnosing ability for different vocations; and (b) the determination of the average level of intelligence needed to meet the demands of different vocations. The course is open only to graduate students who have had training in experimental psychology.

Special Problems in Applied Psychology, Dr. Rand.

*Four hours a week throughout the year.**(Given in each year.)*

This course is offered in connection with the course in Applied Psychology to students who wish to pursue more advanced work.

Philosophy.

The instruction in this department is under the direction of Dr. Theodore de Leo de Laguna, Professor of Philosophy, Dr. Grace Mead Andrus de Laguna, Associate Professor of Philosophy, and Miss Margaret Storrs, Reader in Psychology.

The instruction offered in this department covers eighteen and a half hours of lectures a week: it includes a required course of five hours a week for one semester; ten hours a week of undergraduate major and minor work; and six hours a week of graduate work.

A course in philosophy, five hours a week throughout one semester, and a course in psychology, five hours a week throughout one semester, are required of all candidates for a degree.

The major course in philosophy presupposes as much information as is contained in the required course, and may be elected as a group in combination with the major course in Greek, Latin, English, economics and politics, psychology, history of art, mathematics, physics, or geology.

A combination of five hours a week for one year of the minor course in philosophy with five hours a week for one year of the minor course in psychology, making up a course of five hours a week for two years, forms a major course and may be elected as a group in combination with the major course in

Greek, English, economics and politics, mathematics, and physics.

Introduction to Philosophy, Dr. Theodore de Laguna, Dr. Grace de Laguna. *Required Course.*

Five hours a week during the second semester.

(Given in each year.)

The course consists of discussions of certain fundamental problems of metaphysics based as far as possible on recent philosophical literature. Every effort will be made to foster independence and sincerity of thought rather than to impress upon the students any system of philosophical dogmas.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Elementary Ethics, Dr. Theodore de Laguna.

Five hours a week.

The course begins with a survey of the development of moral standards in the course of human progress from primitive to modern conditions. This is followed by a critical study of the theory of moral values, with especial reference to the phenomena of moral evolution. The concluding weeks are devoted to an introduction to the more general problems of Social Philosophy in their bearing upon the ideals of English and American liberalism.

2nd Semester.

History of Philosophy, Dr. Grace de Laguna.

Five hours a week.

Ancient philosophy is very briefly treated. The greater part of the course is devoted to the discussion of selections from the principal writings of Bacon, Hobbes, Descartes, Spinoza; Leibniz, Locke, Berkeley, and Hume.

SECOND YEAR.

1st Semester.

From Kant to Spencer, Dr. Grace de Laguna.

Five hours a week

The course is principally occupied with the development of the post-Kantian idealism, and with the naturalistic systems of Comte, John Stuart Mill, and Spencer.

2nd Semester.

Recent Philosophical Tendencies, Dr. Theodore de Laguna.

Five hours a week.

The object of this course is to give the student an introduction to the most important and significant recent movements of thought. Among the theories discussed are neo-realism, pragmatism, idealism, etc.

Group: Philosophy with Greek, *or* with Latin, *or* with English, *or* with Economics and Politics, *or* with Psychology, *or* with History of Art, *or* with Mathematics, *or* with Physics, *or* with Geology; Philosophy and Psychology with Greek *or* with English *or* with Economics and Politics *or* with Mathematics *or* with Physics.

GRADUATE COURSES.

Graduate Courses.

Five hours a week of seminary work and graduate lectures are offered each year to graduate students of philosophy, accompanied by the direction of private reading and original research.

A seminary in the history of philosophy is offered each year and a seminary in ethics and one in logic and metaphysics are offered in alternate years. A seminary in social and political philosophy is offered in the first semester of each year. The subjects of study are changed from year to year through a cycle of three years. Ten hours a week of advanced undergraduate courses are also open to graduate students. Students electing philosophy as their major subject for the degree of Doctor of Philosophy may emphasize either metaphysics or ethics. For the list of approved associated and independent minors see the Regulations of the Academic Council. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library.

Seminary in Ethics, Dr. Theodore de Laguna.

Two hours a week throughout the year.

(Given in each year.)

In 1922-23 English Evolutionary Ethics, as exemplified in the writings of Darwin, Spencer, Clifford, Stephen, Alexander and Hobhouse, and as criticised by Green, Sorley, Huxley, Pringle-Pattison, and Rashdall, is the subject of the seminary. Special attention is given to the problem of determining the nature and limitations of the genetic method as applied in ethical research.

In 1923-24 the subject of the seminary will be Recent French Ethics, with especial reference to the sociological theories of Durkheim and Lévy-Bruhl.

In 1925-26 the subject will be the Ethics of Hume and his Contemporaries.

Seminary in Logic and Metaphysics, Dr. Grace de Laguna.

Two hours a week throughout the year.

(Given in alternate years.)

In 1922-23 Contemporary Realism as represented by Moore, Russell, Alexander, Perry, McGilvary, and Fullerton is the subject of the seminary.

In 1924-25 Inductive logic will be the subject of the seminary. The theories of Sigwart, Mill, Whewell, Bradley, Bosanquet, and Dewey are the basis of investigation.

Seminary in the History of Philosophy, Dr. Grace de Laguna.

Two hours a week throughout the year.

(Given in each year.)

In 1923-24 the subject of the seminary will be English Empiricism. Special attention is paid to its connection with Associationism and to the development of the theory of scientific method.

In 1924-25 the philosophy of Plato will be discussed in the seminary. Special attention will be paid to the earlier dialogues, to the development of the theory of ideas and the relation of this theory to the teachings and method of Socrates. Dr. Theodore de Laguna will conduct this seminary.

In 1925-26 the subject will be the systems of Descartes and Spinoza.

Seminary in Social and Political Philosophy, Dr. Theodore de Laguna.

Two hours a week during the first semester.

(Given in each year.)

The topics chosen for discussion will vary from year to year. Prominent among them will be: the general nature of law; sovereignty and allegiance; the conception of personal liberty; property; punishment; marriage and the family; moral education.

This seminary may be elected separately, or may be combined with the seminary in Social Psychology, given two hours a week during the second semester, as a seminary for students in the Department of Social Economy and Social Research.

Philosophical Journal Club, Dr. Theodore de Laguna, Dr. Grace de Laguna.

Two hours once a fortnight throughout the year.

The advanced students and the instructors meet to report on and discuss recent reviews and philosophical articles.

Psychology.

The instruction in this department is under the direction of Dr. James H. Leuba, Professor of Psychology, Dr. Clarence Errol Ferree, Professor of Experimental Psychology and Director of the Psychological Laboratory, Dr. Gertrude Rand, Associate in Experimental and Applied Psychology, Miss Isabel King Wallace, Assistant Demonstrator in Experimental Psychology, and Miss Hazel A. Wentworth, Assistant Demonstrator in Applied Psychology, and Miss Margaret Storrs, Reader in Philosophy.

The instruction offered in this department covers twenty-four and a half hours of lectures a week; it includes a required course of five hours a week for one semester; ten hours a week of undergraduate major and minor work; two hours a week of free elective work and twelve hours a week of graduate work.

A course in psychology, five hours a week throughout one semester, and a course in philosophy, five hours a week throughout one semester, are required of all candidates for a degree.

The major course in psychology presupposes as much information as is obtained in the required course and may be elected as a group in combination with the major course in Greek, English, economics and politics, philosophy, mathematics, physics, or biology.

A combination of five hours a week for one year of the minor course in psychology with five hours a week for one year of the minor course in philosophy forms a major course and may be elected as a group in combination with the major course in Greek, English, economics and politics, mathematics, and physics.

Psychology, Dr. Leuba.

Five hours a week during the first semester.

(Given in each year.)

Required Course.

The text-book used is Pillsbury's *Fundamentals of Psychology*. In connection with the lectures there are experimental demonstrations.

FIRST YEAR.

*(Minor Course.)**1st Semester.**(Given in each year.)***Major Course.**Experimental Psychology, Dr. Ferree and Dr. Rand. *Five hours a week.*Laboratory work, Dr. Ferree and Dr. Rand. *Four hours a week.*

(Open only to those students who have taken the required course in psychology. May be taken as a free elective.)

The lectures constitute an abbreviated course in systematic psychology in which the historical, critical, and theoretical features of the subjects covered are discussed and the experimental features demonstrated. Special stress is laid on the comparative study of methods. The laboratory work consists of individual practice in selected topics.

*2nd Semester.*The Psychology of Instinct and Emotion, and Animal Behaviour, Dr. Leuba. *Five hours a week.*

(Open only to those students who have taken the required course in psychology. May be taken as a free elective.)

Although the course in animal psychology does not necessitate a special knowledge of biology, yet it appeals to students of that science since it deals with animal behaviour. Time is spent on an analysis of the methods by which animals learn. This part of the course is of special interest to students of education because of the light thrown upon the problems of mental acquisition in man.

SECOND YEAR.

*1st Semester.**(Given in each year.)*Social Psychology: The Psychology of Group Life and of Some Social Institutions, Dr. Leuba. *Five hours a week.*

(Open only to those students who have taken the minor course in psychology five hours a week in the second semester. Experimental psychology is not a prerequisite. May be taken as a free elective.)

*2nd Semester.*Applied Psychology, Dr. Rand. *Five hours a week.*Laboratory work, Dr. Rand. *Four hours a week.*

(Open only to those students who have taken the minor course in psychology five hours a week during the first semester. May be taken as a free elective.)

The specific applications of psychology form the subject-matter of this course. An important feature is the application to the work of the clinic. Demonstrations are made of mental equipment and individual practice is given in mental testing. The applications of psychology to law, medicine, vocational guidance, advertising, etc., are briefly considered.

Group: Psychology with Greek, or with English, or with Economics and Politics, or with Philosophy, or with Mathematics, or with Physics, or with Biology, or Philosophy and Psychology with Greek, or with English, or with Economics and Politics, or with Mathematics, or with Physics.

FREE ELECTIVE COURSE.

Advanced Experimental Psychology, Dr. Ferree.

*Two hours a week throughout the year.**(Given in each year.)***Free
Elective
Course.**

This course is intended for students who wish to be trained in research work. It is primarily for fourth year students in psychology, but in very special cases by permission of the instructor it may be taken by a student who has taken the minor course in experimental psychology. The instructor will cooperate with the students in the solution of some original problems. A reading knowledge of French and German is required.

GRADUATE COURSES

Twelve hours a week of seminary work and graduate lectures are offered each year to graduate students of psychology, accompanied by the direction of private reading and original research and the courses are varied from year to year so that they may be pursued by students through three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the minor and major courses of the department amounting to ten hours a week may be elected by graduate students. The laboratory of experimental psychology is open to graduate students for research work. Students may offer either Social Psychology or Experimental and Systematic Psychology as a major subject for the degree of Doctor of Philosophy. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

**Graduate
Courses.**

Psychological Seminary, Dr. Leuba.

*Two hours a week throughout the year.**(Given in each year.)*

As the foundation of the work of the seminary one or two of the following subjects will be chosen each year: the psychology of mental and moral deficiencies with reference to the social problems they present, including case studies and research work in problems of delinquency; instinct, feeling and emotion; the psychology of religion and of ethics; social psychology; abnormal psychology and the Freudian psychology.

Seminary in Social Psychology, Dr. Leuba.

*Two hours a week during the second semester.**(Given in each year.)*

In 1922-23 and again in 1924-25 the principles of social psychology and their applications to social problems are the subject of the seminary.

In 1923-24 abnormal psychology, chiefly mental and moral deficiency, and its social implications; or temperament and character and their instinctive and emotional foundations will be studied.

This seminary together with the seminary in Social Philosophy, given in the first semester, may be counted as a seminary by students in the Department of Social Economy and Social Research.

Seminary in Experimental and Systematic Psychology, Dr. Ferree.

*Three hours a week throughout the year.**(Given in each year.)*

This seminary is intended, primarily, to give a systematic presentation of the literature of experimental psychology. Due consideration, however, will be given to all points of systematic importance. The work is grouped about the following topics: sensation, the simpler sense complexes, perception and ideas, feeling and the effective processes, attention, action, and the intellectual processes (memory, association, imagination, etc.). The course covers three years, but the topics chosen and the time devoted to each vary from year to year according to the needs of the students.

Seminary in Research Methods and Problems, Dr. Ferree and Dr. Rand.

*Three hours a week throughout the year.**(Given in each year.)*

The object of this seminary is to give training in research. In addition to the work in the laboratory supplementary reading, reports and discussions are required. In special cases the course may be elected for a greater number of hours.

Seminary in Applied Psychology, Dr. Rand.

Two hours a week throughout the year.

Laboratory Work, Dr. Rand.

Four hours a week throughout the year.

This course combines seminary, laboratory drill and research features, and covers the psychological aspects of mental testing with special application to problems of vocational guidance and to the testing of normal adults and adult and juvenile delinquents and defectives.

In the seminary work, the requirements of mental tests and their standardization and statistical treatment are considered. The laboratory drill work consists of training in the application of general intelligence and diagnostic tests to normal children and adults. This furnishes a standard of the normal reactions to the tests as well as practice in giving the tests. Later the work is with delinquents and defectives. The research work will be done in connection with Vocational Guidance Bureaus. Two problems will be considered here: (a) the devising and standardizing of specific tests for diagnosing ability for different vocations; and (b) the determination of the average level of intelligence needed to meet the demands of different vocations. The course is open only to graduate students who have had training in experimental psychology.

Seminary in Special Problems in Applied Psychology, Dr. Rand.

*Four hours a week throughout the year.**(Given in each year.)*

This course is offered to students who have attended the seminary in Applied Psychology and wish to pursue more advanced work.

Psychological Journal Club, Dr. Leuba, Dr. Ferree, and Dr. Rand.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read reports on the literature of the subject and on the work done in the laboratory.

Psychological Laboratory Work, Dr. Ferree and Dr. Rand.

The laboratory work consists of individual practice and research.

Education.

This Department is organized in part from the Phebe Anna Thorne Endowment and is connected with the Phebe Anna Thorne School.

The instruction in Education is under the direction of Dr. Matilde Castro, Professor of Education and Director of the Phebe Anna Thorne School, and Dr. Ada Hart Arlitt, Associate in Educational Psychology.

The work of the Graduate Department of Education is intended for graduate students only. No undergraduate students are permitted to take any graduate work in education although graduate students may if they so desire elect under-

graduate courses in education and psychology and other subjects. The undergraduate courses in education amounting to ten hours a week are given in courses of two and three hours a week and may be elected separately. The graduate courses are planned for graduate students who wish to study education for one, two, and three years on the principle that about one-half of the student's time will be given to purely educational courses and the remaining half to courses in the subjects in which she is preparing herself to teach. The degree of Master of Arts in Education is open to graduates of Bryn Mawr College and of other colleges of high standing under the general conditions prescribed for the degree of Master of Arts. The degree of Doctor of Philosophy in Education is open to graduates of all colleges of high standing under the general conditions prescribed for the degree of Doctor of Philosophy.

The Phebe Anna Thorne School.

The Phebe Anna Thorne School opened in the autumn of 1913 under the direction of the Bryn Mawr College Graduate Department of Education. It is maintained by an endowment of one hundred and fifty thousand dollars given by the executors of the estate of the late Phebe Anna Thorne to perpetuate her deep interest in school education and her desire to further research in the best methods of teaching school subjects. In 1922 the Phebe Anna Thorne Model School Association was organized and the school is operated on a new financial basis necessitated by the need for additional buildings. The Phebe Anna Thorne School is an integral part of the Graduate Department of Education and affords its students an opportunity to follow the work of the expert teachers of the model school and discuss in seminars conducted by the professors of education the various problems of teaching and administration as they arise from day to day. Pupils are admitted to the primary department at six years of age and to the elementary course at nine or ten years of age and will be fitted to enter Bryn Mawr and other colleges on the completion of a seven or eight years' school course based on the soundest available theory and practice of teaching to be found in this country or abroad. It is believed that the opportunity of studying the newest approved

methods of secondary teaching will enable teachers who have studied in the Graduate Department of Education to teach more efficiently and to command materially higher salaries.

FREE ELECTIVE COURSES.

Free Elective Courses.

Education, Dr. Castro.

Two hours a week throughout the year.

(Given in each year.)

The course interprets modern educational problems from the standpoint of their social setting; develops the psychological principles underlying the technique of teaching and demonstrates their application; and discusses the treatment of children individually and in groups in school and extra-school activities.

It is conducted as a general survey course covering the subject-matter indicated, or various topics are stressed and studied more intensively according as the interests of the class vary from teaching to social work or to a more general interest in educational problems.

The Psychology of Childhood, Dr. Castro.

Three hours a week throughout the year.

(Given in each year.)

The course traces the mental, moral, and physical development of children from infancy through adolescence. A comparative study is made of the psychology of deficient, normal, and gifted children, and attention is given to their educational treatment. This course met one hour a week throughout the year in 1922-23.

Experimental Educational Psychology, Dr. Arlitt.

Three hours a week throughout the year.

Laboratory Work, Dr. Arlitt.

Two hours a week throughout the year.

(Given in each year.)

In the first semester a study is made of sensori-motor learning, perceptual learning, and learning of the problem-solving type. Particular emphasis is laid on the conditions and methods of efficient study and on the training of memory.

In the second semester the course takes up the study of school subjects from the point of view of laboratory experimentation and a survey of the field of group and individual tests and educational scales and measurements.

History of Education, Dr. Arlitt.

Two hours a week throughout the year.

(Given in each year.)

The course considers the great educational movements in the light of their historical development. Emphasis is laid on the extent to which these movements influenced and were influenced by the social life and customs of the periods in which they originated.

GRADUATE COURSES.

Graduate Courses.

In addition to six seminaries in education, there are offered in each year observation classes in the Phebe Anna Thorne School. The Department of Education also conducts an Educational Clinic in which examinations are made and advice given in regard to cases of retardation in special school subjects, general retardation or any other maladjustment to school environment. Students electing education as their major subject for the degree of Doctor of Philosophy may elect educational psychology, educational methodology, economics, social economy, social psychology, or experimental and systematic psychology, as the associated minor. The list of approved independent minors will be found in the Regulations of the Academic Council.

Seminary in Educational Methods and Measurements, Dr. Castro.

*Two hours a week throughout the year.**(Given in each year.)*

The seminary takes up the principles of educational methods and teaching technique. The latter part of the work deals with the theory and practice of educational measurements. The special subjects considered vary from year to year.

Seminary in Advanced Experimental Educational Psychology, Dr. Castro and Dr. Arlitt.

Two hours a week throughout the year.

Laboratory Work.

*Four hours a week throughout the year.**(Given in each year.)*

The seminary considers the main categories of educational psychology from a theoretical and experimental point of view, and studies especially the psychology of school and high school subjects. If the student's training in psychology has been inadequate she is required to take the seminary in Educational Methods and Measurements or the requisite undergraduate work in education.

Seminary in Social Education, Dr. Castro.

*Two hours a week throughout the year.**(Given in each year.)*

The essentials of educational theory and practice for social workers are studied in this seminary. The subjects dealt with serve as an introduction to the educational principles involved in the intelligent direction of such activities as community centres, settlement classes, clubs, etc. Among the subjects studied will be the characteristic mental and physical development of childhood, adolescence, youth, and maturity. This study will be used as a basis for the selection of the educational materials and methods appropriate to the needs and capacities of different groups of varying ages and differing educational opportunities.

Seminary in Research Problems in Educational Psychology, Dr. Castro and Dr. Arlitt.

*Two hours a week throughout the year.**(Given in each year.)*

This seminary is open only to candidates for the degree of Doctor of Philosophy.

Seminary in Intelligence Tests, Dr. Arlitt.

Two hours a week throughout the year.

Laboratory Work.

Four hours a week throughout the year

The work of the seminary is devoted to a critical survey of the field of mental tests. The laboratory work includes training in the use of tests followed by the practical application of them in schools.

Advanced History of Education, Dr. Arlitt.

Two hours a week during the first semester.

Philosophy of Education, Dr. Castro.

*Two hours a week during the second semester.**(Given in each year.)*

These two courses taken together are equivalent to one seminary and are given in the first semester by Dr. Arlitt and in the second semester by Dr. Castro. Students electing this seminary must have previously taken two seminaries in Education.

Journal Club in Education, Dr. Castro and Dr. Arlitt.

Two hours once a fortnight throughout the year.

The instructors and students meet to report on and discuss recent reviews and articles and the results of special investigations are presented for comment and criticism.

Classical Archæology.

The instruction in this department is under the direction of Dr. Rhys Carpenter,* Professor of Classical Archæology, Dr. Mary Hamilton Swindler, Associate in Latin and Archæology, and Dr. Wilmer Cave Wright, Professor of Greek.

Two archæological seminaries of two hours a week each and a graduate lecture course of one hour a week throughout the year are offered to graduate students who have done elementary archæological work, and also a journal club meeting one and a half hours a fortnight. In addition individual students will be directed in special work by means of private conferences.

Undergraduate courses of three hours a week and two hours a week are offered affording an introduction to the various branches of classical archæology. It is recommended that those who elect archæology as a major subject should offer Greek Sculpture, Ancient Painting and Vases, and Greek Minor Arts, during their first year, reserving for their second year the courses on Ancient Architecture, Art and Life in Hellenistic Towns, Egypt and Crete, and Ancient Rome. The elective course in Greek Religion and Greek Myths may be substituted for the courses in Ancient Painting and Vases and in Greek Minor Arts.

The undergraduate courses are fully illustrated with lantern-slides, and photographs are available for review and comparison. In connection with graduate courses the students have access to the collections belonging to the department containing replicas of Greek and Roman coins, facsimiles of gems and seals, and a collection of original vase fragments, many of which are by known masters.

FIRST YEAR.

(*Minor Course.*)

(*Given in each year.*)

Major Course.

Greek Sculpture, Dr. Carpenter.*

Three hours a week throughout the year.

A critical study of the rise, perfection, and ultimate developments of sculpture in Greece. The course is intended as a general introduction to the principles and appreciation of sculpture.

* Granted sabbatical leave of absence for the year 1923-24. The courses announced by Professor Carpenter will be given by a substitute whose appointment will be announced later.

Ancient Painting and Vases, Dr. Swindler.

Two hours a week during the first semester.

The course traces the development of ancient painting. The material studied includes Egyptian and Cretan frescoes, Greek vases, Pompeian wall paintings and the paintings from Etruscan sites.

Greek Minor Arts, Dr. Carpenter.* *Two hours a week during the second semester.*

In addition to the archæological study of ancient Greek coins, gems, jewelry, silver-smithing, and terra-cotta, this course serves to give an understanding of the general æsthetic principles of art by an analysis of the morphological evolution and fundamental assumptions of Greek art. The course includes a brief treatment of the influence of Hellenic art on the art of other races.

Greek Religion and Greek Myths, Dr. Wright.

Two hours a week throughout the year.

This course is supplementary to Greek and English literature and to Oriental and Classical Archæology and treats of the development of Greek religion, the attributes of the Olympian Gods, such as Zeus and Apollo, their ritual and the influence on literature of Greek myths. The course may be entered in the second semester.

SECOND YEAR.

*(Minor Course.)**(Given in each year.)*

Ancient Architecture, Dr. Carpenter.*

Three hours a week during the first semester.

The first twelve lectures deal with Egyptian, Babylonian, Assyrian, Persian and Aegean building. The remainder of the semester is devoted to a detailed study of the principles and practice of Greek architecture until late Hellenistic times. Emphasis is laid on architectural evolution and its connection with the civilization of the period.

Art and Life in Hellenistic Towns, Dr. Carpenter.*

Two hours a week during the first semester.

A reconstruction, from existing remains, of town and city life in the period between the death of Alexander the Great and the Roman domination.

Ancient Architecture (continued), Dr. Carpenter.*

Two hours a week during the second semester.

The architecture of Rome and the Roman Empire down to late Imperial times is studied in the second semester. Students entering this course in the second semester are required to prepare themselves by reading Warren's *Foundations of Classic Architecture*, chapter v, and Fowler and Wheeler's *Greek Archæology*, chapter ii.

Egypt and Crete, Dr. Carpenter.* *One hour a week during the second semester.*

A general study of the artistic and material aspects of the ancient Egyptian and the Cretan and Mycenaean civilizations. This course may be combined with Ancient Architecture, Ancient Rome, or Greek Minor Arts.

Ancient Rome, Dr. Swindler.

Two hours a week during the second semester.

The course deals with the art and material civilization of Rome through Republican and Imperial times. It is intended as an archæological background to Latin studies and as an introduction to Roman art, especially sculpture and painting. The course includes a study of Etruscan art and its influence on early Rome.

* See footnote, page 118.

Group: Classical Archæology with Greek or with Latin.

GRADUATE COURSES.

Graduate Courses. Two seminaries in archæology, a graduate course, and a journal club in archæology are offered to graduate students in addition to the undergraduate courses which are open also to graduate students. A good reading knowledge of both French and German is indispensable, and familiarity with both Greek and Latin, though not required, is of the utmost value for graduate work in archæology.

Students electing classical archæology as a major subject for the degree of Doctor of Philosophy must have taken the major undergraduate course in Greek and the minor undergraduate course in Latin or courses equivalent to these. A list of approved associated and independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Archæological Seminary, Dr. Carpenter. *Two hours a week throughout the year.*
(Given in each year.)

This seminary is open only to graduate students who have had some previous training in classical archæology. The order of the subjects may be changed in accordance with the needs of the students.

In 1922-23 Greek Architecture is studied in the first semester, and Roman architecture in the second semester.

In 1923-24 fifth century Greek sculpture will be the subject of the seminary.

In 1924-25 Greek minor arts (coins, gems, terra-cotta) will be studied.

Greek Epigraphy, Dr. Carpenter. *One hour a week throughout the year.*
(Given in each year.)

In the first semester the origin of the Greek alphabet and the epicchoric forms are studied. Roehl's *Images* and Part I of Robert's *Introduction to Greek Epigraphy* are used as textbooks. In the second semester a variety of inscriptions of artistic and topographic interest are read. The emphasis is archæological rather than linguistic or politico-historical.

Archæological Seminary, Dr. Swindler. *Two hours a week throughout the year*
(Given in each year.)

In 1922-23 Greek vases are the subject of the seminary with special reference to the vase masters of the fifth century.

In 1923-24 Etruscan and Roman Archæology will be the subject of the seminary. A survey of Etruscan sites and monuments is followed by a study of the monuments of Rome from the earliest times down to the Age of Constantine.

In 1924-25 the subject of the seminary during the first semester is Aegean Archæology with emphasis on the recent discoveries in Crete. During the second semester the subject is Ancient Painting, including a detailed survey of Cretan frescoes, painted plaques, stelæ, and sarcophagi, Greek vases of the Polygnotan era, paintings found in Etruscan tombs, Pompeian wall decoration, and the mummy portraits from the Fayum.

Archæological Journal Club, Dr. Carpenter and Dr. Swindler.

One and a half hours a fortnight throughout the year.

The graduate students and the instructors meet for the presentation and discussion of topics of current archæological literature.

History of Art.

The instruction in this department is under the direction of Miss Georgiana Goddard King, Professor of the History of Art, and Mr. George Rowley, Instructor in the History of Art.

Two seminaries of two hours a week and a journal club of one hour a week are offered to graduate students who have done elementary work in history of art. In addition individual students will be directed in special work by means of private conferences.

The undergraduate work is divided into courses of three hours a week and two hours a week on painting, sculpture and architecture.

All the courses are illustrated with lantern slides, and photographs are available for review and comparison.

FIRST YEAR.

(*Minor Course.*)

(*Given in each year.*)

Italian Painting of the Renaissance from the Middle of the Thirteenth to the Middle of the Sixteenth Century, Miss King.

Three hours a week throughout the year.

(May be taken as a free elective.)

In the first semester the Italian Primitives are studied, chiefly in the schools of Florence, Siena, and Umbria; in the second semester the painters of the High Renaissance, with special attention to those of Venice and the north of Italy. The course is illustrated with photographs and lantern slides.

The Art of the Far East, Mr. Rowley. *Two hours a week throughout the year.*

(May be taken as a free elective.)

A general history of the development of art, especially painting, in China, Japan, and India from the earliest bronzes to modern color prints, with the rise of Buddhism in India and its influence in China and Japan as a connecting thread. Emphasis is placed upon the great painting of the T'ang and Sung dynasties in China.

SECOND YEAR.

(*Given in each year.*)

Mediæval Art, Byzantine and Romanesque, Miss King.

Three hours a week during the first semester.

Byzantine art in its various aspects will be studied in the early part of the semester and the question of its origin considered. The latter part of the time will be devoted to architecture and the allied arts in Italy, Germany, France and Spain up to the close of the Romanesque period.

Painting in the Seventeenth and Eighteenth Centuries, Mr. Rowley.

Two hours a week during the first semester.

The purpose of this course is to establish the bases of modern painting, tracing the evolution of Northern realism until its culmination in Rembrandt and the Dutch School;

**Major
Course.**

the fusion of the Renaissance and Flemish traditions in Rubens; the contributions of the French Academie and Watteau, and lastly Velasquez as the transition to modern impressionism.

Mediæval Art, Gothic, Mr. Rowley.

Three hours a week during the second semester.

A continuation of the course in Mediæval Art offered in the first semester. Gothic Art, including glass and miniatures, is traced down into the Renaissance.

Modern Painting, Miss King.

Two hours a week during the second semester.

This course deals with the history of painting since 1800 and comes down to the present year. Students are expected to make trips to Philadelphia and the neighborhood to study pictures as often as may seem necessary.

Group: History of Art with English, or with French, or with Italian, or with Spanish, or with German, or with History, or with Philosophy.

POST-MAJOR COURSES.

Post-Major Courses.

Spanish Painting, Miss King.

Two hours a week throughout the year.

(Given in 1922-23 and again in 1924-25.)

This course is open only to students who have completed the minor and major work in history of art, or an equivalent course. The sources and development of Spanish painting are considered from the early miniature painters down to living artists. Students are expected to learn something about the Spanish character and history and to make short trips to see paintings on exhibition in America.

Renaissance Sculpture, Miss King.

Three hours a week throughout the year.

(Given in 1923-24 and again in 1925-26.)

The first semester is devoted to the sculpture of the Italian Renaissance, the second chiefly to Northern art, and in especial to figure sculpture in France from the finishing of the Cathedrals to the close of the Renaissance. The great sculptors of Germany and Spain will be studied carefully in conclusion. The course is illustrated with photographs and lantern slides.

Oriental Art, Mr. Rowley.

Two hours a week throughout the year.

(Given in 1922-23 and again in 1924-25.)

This course will consist of a general historical background and the consideration of special problems, such as the influence of Buddhism upon art and the inter-relation of Chinese and Japanese painting. Emphasis will also be placed on the æsthetic differences between the fine arts in the East and in the West. Completion of the minor, Art of the Far East, is not a prerequisite.

Renaissance and Modern Architecture, Mr. Rowley.

Two hours a week throughout the year.

(Given in 1923-24 and again in 1925-26.)

GRADUATE COURSES.

Graduate Courses.

Four hours a week of seminary work are offered each year to graduate students of history of art accompanied by the direction of private reading and original research, and the courses are varied from year to year so that they may be pursued by students through three or more successive years. In addition to the graduate seminaries announced, other courses will be

provided as need for them arises, and individual students will be directed in special work by means of private conferences. History of Art may be offered as a minor for the degree of Doctor of Philosophy. A list of major subjects with which it may be offered will be found in the Regulations of the Academic Council. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the minor and major courses of the department amounting to ten hours a week may be elected by graduate students.

Seminary in History of Art, Miss King. *Two hours a week throughout the year.*

(Given in each year.)

In 1922-23 the subject is selected from the mediæval field, and restricted to decorative elements.

In 1923-24 the general subject is Mediæval Art in the period that lies between the sixth and the sixteenth centuries, and the work of the year is devoted to the origins of Romanesque.

In 1924-25 the subject of the seminary will be Spanish Painting up to 1550; and in 1925-26 later Spanish Painting.

Graduate work in modern painting will also be arranged for any student who wishes to combine History of Art with English or French literature. While the order of the seminars may be altered to suit the needs of individual students, certain canons of art, and certain æsthetic problems will be considered in successive years.

Seminary in History of Art, Mr. Rowley. *Two hours a week throughout the year.*

(Given in each year.)

The subject of the seminary is Sienese Painting.

Journal Club in Modern Art, Miss King and Mr. Rowley.

Two hours once a fortnight throughout the year.

The instructors and the graduate students meet for the presentation and discussion of current literature on the History of Art.

Music.

The instruction in this department is under the direction of Mr. Thomas Whitney Surette, Director of the department, and Mr. Horace Alwyne, Associate Professor of Music.

The instruction offered in theoretical music covers fourteen hours of lecture a week exclusive of graduate courses and a seminary which together require about two-thirds of the student's time.

The objects of the undergraduate course in music are: to permit students to make music an integral part of a liberal education, and to enable them to feel and understand the music of the great masters, and to realize its significance historically as well as æsthetically. In the class exercises students

constantly hear great compositions played so that the analysis made in the class shall be as far as possible based on the emotion or feeling of delight produced by the music. The courses in theoretical music leading from elementary harmony up to original composition are intended for those students who desire to specialize in Music.

The Department of Music gives a series of Lecture-Recitals assisted by members of the Philadelphia Symphony Orchestra and other well-known artists, which is designed to supplement and amplify the work done in the courses in History and Appreciation of Music.

The chapel choir and the glee club are organised under the direction of the Department of Music.

FREE ELECTIVE COURSES.

Free Elective Courses.

History and Appreciation of Music, Mr. Surette and Mr. Alwyne.

Three hours a week throughout the year.

(Given in each year.)

This course consists of the study of the History of Music up to and including Beethoven, and of the masterpieces of music produced during that period. Characteristic works of sixteenth century vocal polyphony are studied, and compositions of the following composers are played in class: Scarlatti, Corelli, Rameau, Couperin, and their contemporaries; Bach, Handel, Haydn, Mozart and Beethoven. The forms included are the folk-song, motet, madrigal, fantasia, toccata, etc., the fugue, suite, rondo, theme and variations, sonata and symphony. All study and analysis is based on the music itself. The instruction is given by means of lectures, required reading, discussion and by analysis by the students in class.

Elementary Harmony, Mr. Alwyne.

Two hours a week throughout the year.

(Given in 1921-22 and in each succeeding year.)

Requirements for admission: knowledge of chords, scales and keys, ability to sing from note and to take musical dictation.

This course is the beginning of composition. It offers the student within certain limitations a choice in dealing with materials æsthetically. It does not impose upon the student mere copying of a model, but gives her some intellectual and æsthetic liberty. The student learns to use major and minor triads in their root positions and inversions and the dominant seventh chord. The student learns not only to write these logically but to hear them when writing them. Original melodies are required, these being based on poetic meters.

Advanced History and Appreciation of Music, Mr. Surette and Mr. Alwyne.

Three hours a week throughout the year.

(Given in 1922-23 and in each succeeding year.)

The course in History and Appreciation of Music is required for admission.

This course consists of the study of the History of Music from Schubert through Brahms and César Franck and of the musical masterpieces produced during that period. The instruction follows the same plan as in the preceding course.

Advanced Harmony, Mr. Alwyne.

Two hours a week throughout the year.

(Given in 1922-23 and in each succeeding year.)

Requirements for admission: the course in Elementary Harmony; or the student must satisfy the instructor that she is qualified.

This course is the continuation of the course in Elementary Harmony and carries the student through modern harmonic relations. Original melodies are written and harmonized, many modern compositions are analyzed, and an opportunity is given for freedom of expression.

Elementary Counterpoint, Mr. Alwyne. *Two hours a week throughout the year.*
(Given in 1922-23 and in each succeeding year.)

Requirements for admission: the two courses in Harmony; or the student must satisfy the instructor that she is qualified to enter.

This course deals with the various modes of counterpoint to which the courses in Harmony have led. It offers full opportunity for the expression of the individual student.

Advanced Counterpoint, Mr. Alwyne. *Two hours a week throughout the year.*
(Given in 1923-24 and in each succeeding year.)

Requirements for admission: the three preceding courses in Harmony and Counterpoint; or the student must satisfy the instructor that she is qualified to enter.

This course deals with the stated contrapuntal forms and requires some originality on the part of the student and some facility in pianoforte playing.

GRADUATE COURSES.

The graduate courses and seminary may lead under certain fixed conditions to the degree of Master of Arts, but are not permitted to count as any part of the requirements for the degree of Doctor of Philosophy.

Graduate Courses.

Students wishing to specialize in music who meet the preliminary requirements of the Academic Council for the degree of Master of Arts will be allowed to become candidates for the degree of Master of Arts of Bryn Mawr College in Music only if they have offered the equivalent of two seminaries in Music together with a seminary in Education or some other seminary, subject in each case to the approval of the Committee on Graduate Courses and of the Director of the Department of Music.

Preliminary requirements for admission to graduate courses in music:

1. A.B. degree from a college of recognized standing.
2. Certain standards of knowledge or facility in instrumental or vocal music will be required of all students. Students offering vocal music to answer the above requirements will be expected to have some facility in piano playing. Students who are deficient in the above requirements will be recommended by the Department of Music to certain qualified teachers outside the college.
3. Courses in the History of Music, Harmony and Counterpoint, in general equivalent to the undergraduate courses given in Bryn Mawr College, must have been taken, or must be taken without credit, as preliminary to graduate work.

Canon and Fugue, Mr. Alwyne. *Two hours a week throughout the year.*
(Given in 1923-24 and in each succeeding year.)

Requirements for admission: the four undergraduate courses in Harmony and Counterpoint; or the student must satisfy the instructor that she is qualified to enter.

This course deals with the application of counterpoint to composition in these established forms; it requires some originality on the part of the student and some facility in pianoforte playing.

Orchestration, Mr. Alwyne. *Two hours a week throughout the year.*
(Given in 1923-24 and in each succeeding year.)

Requirements for admission: the four undergraduate courses in Harmony and Counterpoint; or the student must satisfy the instructor that she is qualified to enter.

This course deals with the characteristics of each instrument in the orchestra—its tone quality, range, technique, etc.—with the grouping of the instruments—strings, woodwind, brass, percussion, etc.—and with the orchestra as a whole. Orchestral scores will be studied. Students will be required to apply the foregoing in the scoring for orchestra and in original work.

Seminary in Music. Free Composition, Mr. Alwyne.

Two hours a week throughout the year.

(Given in 1923-24 and in each succeeding year.)

Requirements for admission: the four undergraduate courses in Harmony and Counterpoint; or the student must satisfy the instructor that she is qualified to enter. This seminary deals with the application to Free Composition of the preceding courses in Harmony and Counterpoint.

Mathematics.

The instruction in this department is under the direction of Dr. Charlotte Angas Scott, Professor of Mathematics, and Dr. Anna Johnson Pell, Associate Professor of Mathematics.

The instruction offered in mathematics covers nineteen and a half hours of lectures and recitations a week; it includes ten hours a week of undergraduate minor and major work, five hours a week of post-major work open only to graduates and to undergraduates who have completed the major course in mathematics, and four and a half hours a week of graduate work.

In the major course the students are able to gain a fair knowledge of the principal subjects belonging to the department of pure mathematics. The points of contact of mathematics with other branches of mental and physical science are indicated as far as possible throughout the course, special attention being paid to the nature of mathematical reasoning, and to the true relation and mutual dependence of mathematics and physics. The course of lectures on the history of mathematics in the second year is intended to give an outline of the development of the subject from its beginning to 1700 A. D.

Preparatory Course.

The two hour course in trigonometry included in the first semester of the minor course in mathematics may be taken separately as a free elective. It is required for admission to the major course in physics. An examination for advanced standing may be taken by those who do not wish to attend the course and yet wish to elect the minor course in mathematics or the major course in physics.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Analytical Conics, Dr. Scott.

Three hours a week.

Trigonometry, Dr. Scott.

Two hours a week.

**Major
Course.**

The course in trigonometry may be taken separately as a free elective. The course in analytical conics may be taken separately by those students only who have passed the examination for advanced standing in trigonometry.

2nd Semester.

Elementary Differential and Integral Calculus, Dr. Pell. Three hours a week.

Algebra and Theory of Equations, Dr. Pell.

Two hours a week.

The three hour and two hour courses in this semester may not be elected separately.

SECOND YEAR.

1st Semester.

(Given in each year.)

Differential and Integral Calculus and Differential Equations, Dr. Pell.

Three hours a week.

Theory of Equations, Determinants, Dr. Pell.

Two hours a week.

2nd Semester.

Curve Tracing, History of Mathematics, Dr. Scott. Three hours a week.

Analytical Geometry of two and three Dimensions, Dr. Scott.

Two hours a week.

The three hour and two hour courses in each semester may not be elected separately.

Group: Mathematics with Greek, or with Latin, or with Philosophy, or with Psychology, or with Philosophy and Psychology, or with Physics, or with Chemistry, or with Geology, or with Biology.

POST-MAJOR COURSES.

The post-major courses in mathematics are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to mathematical studies differs in different colleges, graduate students frequently find it advisable to elect some of these courses. Regular written work is expected from all mathematical students, and a reading knowledge of French and German is presupposed.

The post-major courses in any one year amount to five hours a week. The courses given are the following, with occasional modifications.

Lectures on Modern Pure Geometry, Dr. Scott.

Two hours a week throughout the year.

(Given in 1922-23.)

Special Topics in Geometry, Dr. Scott. Two hours a week throughout the year.

(Given in 1923-24.)

Lectures on special topics in geometry, such as systems of circles, Poncelet's theorem, circular coordinates, geometrical transformations, etc.

**Post-
Major
Courses.**

General Course in Analysis, Dr. Pell. *Three hours a week throughout the year.*

(Given in 1922-23 and again in 1923-24.)

This course deals with the development of subjects such as determinants, definite integrals, infinite series, Fourier's series, differential equations, etc., and varies from year to year to meet the needs of students electing it.

Higher Algebra and Theory of Numbers, Dr. Pell.

Two hours a week throughout the year.

(Given in 1924-25.)

GRADUATE COURSES.

Graduate Courses.

Four and a half hours a week of seminary work and graduate lectures are offered each year to graduate students of mathematics accompanied by the direction of private reading and original research. The subjects vary from year to year so that the seminaries may be pursued by candidates for the degree of Doctor of Philosophy for three or more successive years. The books needed by the graduate students are collected in the seminary library of the department. No undergraduates are admitted to graduate courses or to the seminary library, but the post-major courses of the department amounting to five hours a week may be elected by graduate students. Students who elect mathematics as a major subject for the degree of Doctor of Philosophy are required to elect mathematics also as an associated minor. The list of approved independent minors will be found in the Regulations of the Academic Council.

Mathematical Seminary, Dr. Scott. *Two hours a week throughout the year.*

(Given in each year.)

In 1922-23 one seminary is given in two parts, each extending through the year, (i) General Theory of Plane Algebraic Curves; (ii) Quadratic Transformation.

A half-time seminary in Differential Geometry of Curves and Surfaces, intended to serve as an introduction to more detailed study, and special investigations in certain types of plane quartic and quintic curves are also directed.

In 1923-24 the subject of the seminary will be plane cubic and quartic curves.

In 1924-25 seminary work will be offered in projective space geometry (surfaces and curves.)

Mathematical Seminary, Dr. Pell. *Two hours a week throughout the year.*

(Given in each year.)

In 1922-23 three half-time seminaries are given: (i) a half-time seminary in the Theory of Functions of Infinitely Many Variables is given, based on the work of Hilbert, Schmidt, Hellinger and Toeplitz. (ii) A half-time seminary on the Theory of Functions of a Complex Variable. (iii) A half-time seminary in Higher Algebra.

In 1923-24 the subject of the seminary in the first semester will be the Theory of Linear Differential Equations of Real Variables, including existence theorems, boundary value, oscillation and expansion problems. In the second semester Integral Equations will be studied.

In 1924-25 a seminary in Theory of Functions of a Complex Variable will be offered.

Mathematical Journal Club, Dr. Scott and Dr. Pell.

One hour a fortnight throughout the year.

The Journal Club holds fortnightly meetings at which reports on special topics or memoirs are presented by the instructors and the graduate students.

SCIENCE.

Physics, Chemistry, Geology, Biology.

Professors and instructors: Dr. Florence Bascom,* Dr. William B. Huff, Dr. David Hilt Tennent,† Dr. James Barnes, Dr. Roger Frederic Brunel, Dr. James Llewellyn Crenshaw, Dr. Anna Baker Yates, Dr. Franz Schrader, Dr. Malcolm Havens Bissell, Dr. W. S. Tangier Smith, Lecturer in Geology, Miss Sue Avis Blake, Miss Edith Hamilton Lanman, and Miss Helen Ingraham.

In January, 1893, the Trustees opened Dalton Hall, a large building, containing ample laboratories, lecture-rooms, research-rooms, special libraries, and professors' rooms for the work of the scientific departments. The chemical, geological, biological, and physical laboratories are open for students from nine to six daily.

The attention of graduates of medical colleges and of undergraduate and graduate students intending to take the degree of Doctor of Medicine is called to the facilities offered by the laboratories, and to the resolutions of the Trustees of the Johns Hopkins University in regard to the admission of students to the Medical School of that University, which opened in the autumn of 1893, and has from the first admitted women on the same terms as men. The courses of Bryn Mawr College in physics, chemistry, and biology correspond to those of the Johns Hopkins University,‡ and it is easy for a student to elect

* Granted sabbatical leave of absence for the year 1922-23. The courses offered by Professor Bascom are given by Dr. W. S. Tangier Smith.

† Granted sabbatical leave of absence for the year 1922-23. The courses offered by Dr. Tennent are given by Dr. Schrader and Dr. Yates.

‡ REQUIREMENTS FOR ADMISSION TO THE MEDICAL DEPARTMENT OF THE JOHNS HOPKINS UNIVERSITY.

"As candidates for the degree of Doctor of Medicine the school receives a maximum of 75 students in each class who must present the qualifications indicated below:

1. Those who have satisfactorily completed the Chemical-Biological Course which leads to the A.B. degree in this University.

2. Graduates of approved Colleges or Scientific Schools who can furnish evidence: (a) That they have acquaintance with Latin and a reading knowledge of French and German; (b) That they have such knowledge of biology, chemistry, and physics as is given in detail below.‡

3. Students who have completed in Johns Hopkins University 110 of the 125 points required for the Bachelor's degree, including the required work in biology, chemistry, and physics, and in the languages, may be admitted to the Medical School, and will receive the degree of Bachelor of Arts when they have satisfactorily completed one year of work therein. This privilege, however, will be accorded only when the college standing averages 85 or more.

§ BIOLOGY.—Three hours of class work per week for one year, and 180 hours of laboratory work upon the structure, functions and life-histories of selected types of animals and

a course corresponding exactly to the Preliminary Medical Course of the Johns Hopkins University. Students planning to begin the study of medicine should elect physics for one year and biology for two years and chemistry for two or three years.

Physics.

The instruction in this department is under the direction of Dr. William B. Huff, Professor of Physics, Dr. James Barnes, Professor of Physics, and Miss Sue Avis Blake, Instructor in Physics. The instruction offered in physics covers eighteen hours of lectures a week; it includes ten hours a week of undergraduate minor and major work, one or two hours a week of free elective work, three hours a week of post-major work, open only to graduates and to undergraduates that have completed the major courses in physics; and four hours a week of graduate lectures and seminary work.

The first year of the major course deals principally with the development of physical facts and is accordingly mainly

plant life. It is desirable that the course should include laboratory instruction in embryology. Courses in botany or zoology will be accepted provided the laboratory work has been adequate.

CHEMISTRY.—Two years of college work, in which at least two-thirds of a year should be devoted to organic chemistry. Each year's course should comprise three classroom exercises a week and five or preferably six hours of laboratory work. This represents only a minimal training, and three years' work is advised, including a short course of lectures and demonstrations in elementary physical chemistry.

As it has been ascertained that certain acceptable institutions will have difficulty in providing students with additional work, the decision to require three years' preparation in chemistry from October, 1923, has been rescinded. It is understood, however, that applicants presenting such preparation will be given preference.

In view of the increasing employment of mathematical conceptions in chemical work, students expecting to take up the study of medicine are advised to include one year of mathematics in their college courses.

PHYSICS.—A collegiate course consisting of three hours a week of classroom work for one year and 120 hours of *quantitative* work in the laboratory. Special attention should be given to theoretical mechanics and to mechanical and electrical experiments.

LATIN.—The student should have studied Latin grammar and should possess at least such knowledge of the language as may be acquired by reading four books of Cæsar or their equivalent.

Similar requirements are made for admission to the Medical College of Cornell University.

The Women's Medical College of Pennsylvania admits students of Bryn Mawr College who have pursued the chemical-biological course that leads to the A.B. or the Ph.D. degree to advanced standing in the corresponding branches of the college curriculum on presentation of evidence of work equivalent to that done in the Medical School and on passing the required examinations in these branches. The Women's Medical College presented to Bryn Mawr College in 1910 a scholarship giving free tuition and renewable for the four years of the college course to be awarded to a graduate of the college.

experimental and descriptive in its nature. A wide range of physical phenomena and the elements of physical theories are treated. The course is planned to cover the whole subject from this point of view so as to give those who do not intend to pursue physics further, such a knowledge of its principles as will enable them to follow its recent development and applications, and also to provide those electing physics as a group with a good foundation for more advanced work. No knowledge of physics is presupposed. In the second year the course is intended to serve as an introduction to the theories to which experimental evidence has led. The treatment is accordingly more mathematical than in the first year, but the experimental side of the subject is still emphasised. A knowledge of trigonometry is required, and some familiarity with the methods of the calculus will be of assistance.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Mechanics, Heat, Sound, and Properties of Matter, Dr. Huff.

Three hours a week.

Laboratory Work, Dr. Huff and Miss Blake.

Six hours a week.

2nd Semester.

Electricity, Magnetism, and Light, Dr. Barnes.

Three hours a week.

Laboratory Work, Dr. Barnes and Miss Blake.

Six hours a week.

The instruction in this course is given by means of lectures, daily oral quizzes, occasional written quizzes, regular problem papers, and required private reading. Students are expected to use, in connection with the lectures, text-books on the special part of the subject under discussion; at present Kimball's *College Physics* is used for reference; also the text-books of Ames and Glazebrook. The lectures are illustrated throughout by means of the lantern, by demonstrations on the lecture table, and by the exhibition of apparatus, etc.

In the laboratory, the students are first instructed in the methods of accurate measurement of the simple quantities, length, time, and mass; later, they make a series of determinations, mainly quantitative, on the part of the subject under discussion in the lecture room at the time. Ames and Bliss's *Manual of Experiments in Physics* is found useful as a reference work for part of this course. A system of laboratory lectures has also been developed to supplement the class-room work, to point out sources of error and their treatment, to demonstrate methods of manipulation, and, in general, to give directions for working which are applicable to the class as a whole; they are given at the beginning of each week's laboratory work. The object of the work is to familiarise the students with the instruments and methods used in physical measurements, with special reference to the quantitative laws upon which the science is based. The laboratory is equipped with this object in view, and the apparatus is all of the most modern design.

SECOND YEAR.

1st Semester.

(Given in each year.)

Theoretical Mechanics, Theory of Light, Dr. Barnes.

Three hours a week.

Laboratory Work, Dr. Barnes and Miss Blake.

Six hours a week.

**Major
Course.**

2nd Semester.

Theory of Heat, Theory of Electricity and Magnetism, Dr. Huff.

Three hours a week.

Laboratory Work, Dr. Huff and Miss Blake.

Six hours a week.

The instruction is given by lectures, supplemented by the discussion of weekly problem papers; the text-books mentioned below indicate the character of the ground covered, and form the basis of the lectures. Private reading and outside preparation will take at least three and a half hours a week, and the course counts as a five-hour lecture course. An endeavour is made to bring the students into contact with the work of original investigators.

The general text-book used is Watson, *Physics*; the books used in special subjects are as follows: heat: Maxwell, *Theory of Heat*, Preston, *Theory of Heat*; dynamics: selections from Tait and Steele's *Dynamics of a Particle*, Jeans's *Theoretical Mechanics*; and special lectures dealing with the applications of dynamics to physical problems; electricity and magnetism: J. J. Thomson, *Elements of the Mathematical Theory of Electricity and Magnetism*; optics, physical and geometrical: Preston, *Theory of Light*, Edser, *Light*.

The laboratory work of the second year is designed to follow and illustrate the subject-matter of the lectures. The student is taught the use of accurate instruments and the methods of physical investigation. A special study is made of the sources and amounts of the errors involved in the different operations, and the problems assigned are adapted as far as possible to the requirements and wishes of the individual students.

Group: Physics with Philosophy, or with Psychology, or with Philosophy and Psychology, or with Mathematics, or with Chemistry, or with Geology, or with Biology.

FREE ELECTIVE COURSE.

Physical Basis of Music, Dr. Huff.

*One hour a week throughout the year.**(Given in each year.)*

In the lectures of this course it is planned to present some of the physical principles illustrated in the construction of musical instruments and underlying the general theory of music. Private reading is assigned.

POST-MAJOR COURSES.

**Free
Elective
Courses.****Post-
Major
Course.**

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses. A knowledge of differential and integral calculus is required. These lectures deal not only with the theoretical development of the subject, but great stress is laid on the important experimental work which has been done in it, and methods and results are criticised and opportunities for further investigations pointed out. The object of the courses is to prepare students to undertake independent work. The laboratory work is planned with this object in view and is arranged to meet the special needs of each individual student. Graduate students may be permitted to take the lectures without the laboratory work. In addition to the laboratory work which accompanies the lectures a student may take extra laboratory work sufficient to make the courses equivalent to five hours a week.

Properties of Matter, Dr. Huff.

*Three hours a week during the first semester.**(Given in 1923-24.)*

The lectures cover the general subject of the properties of matter studied from the point of view of the Molecular Theory. The different theories of matter are discussed and an

account of recent investigations concerning the relations of matter and electricity is given. Poynting and Thomson's *Properties of Matter* is read in connection with the course.

Theory of Sound, Dr. Huff.

Three hours a week during the second semester.

(Given in 1923-24.)

The lectures form an introduction to the theory of modes of vibration of pipes, strings, and rods. The theory of music and of musical instruments is then studied. Poynting and Thomson's *Sound* is used during the earlier part of the course, and frequent references are made to Helmholtz and Rayleigh.

Electricity and Magnetism, Dr. Huff.

Three hours a week throughout the year.

(Given in 1925-26.)

The lectures of this course treat typical mathematical and experimental problems chosen from the various parts of the entire subject. A large number of problems on potential and attraction are assigned.

Spectroscopy, Dr. Barnes.

Three hours a week during the first semester.

(Given in 1922-23.)

The course begins with a complete discussion of the apparatus used in this subject; the results of past and present investigations are then considered, and problems for investigation are pointed out. The many important applications of spectroscopy to astronomy and atomic structure are not neglected. The standard book of reference is Kayser's *Handbuch der Spectroscopie*. Detailed reports of laboratory investigations are required.

Astrophysics, Dr. Barnes.

Three hours a week during the second semester.

(Given in 1922-23.)

This course consists of lectures on the application of physical principles and methods to the study of the composition, structure, and motions of the heavenly bodies. Selected chapters in Moulton's *Celestial Mechanics* and many papers from the *Astrophysical Journal* will be read and discussed.

General Optics, Dr. Barnes.

Three hours a week throughout the year.

(Given in 1924-25.)

These lectures give a general discussion of the theories advanced to explain many phenomena in light. Students are required to have a good knowledge of elementary optics and to be sufficiently familiar with optical apparatus to undertake a detailed study of some special problem.

GRADUATE COURSES.

The graduate seminars consist of lectures, laboratory work, and original research under the direction of the instructors, the subjects varying from year to year so that the seminars may be pursued by students through consecutive years. A good working library containing the current and bound numbers of all the important physical journals is kept in the laboratory. Students electing physics as their major subject for the degree of Doctor of Philosophy may elect it also as the associated minor, provided either mathematics or applied mathematics is taken as the independent minor; or mathematics or applied mathematics may be taken as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to graduate courses.

Physical Seminary, Dr. Huff.

Three hours a week throughout the year.

(Given in alternate years.)

In 1922-23 Radio-activity and Discharge of Electricity through gases is the subject of the seminary in the first semester and Electron Theory in the second semester. The

Graduate Courses.

earlier lectures treat of the effect of fields on the path of a moving charged particle. A discussion of typical experimental methods of measuring velocity and the ratio of charge to the mass follows. After a study of the phenomena of electrical discharge and of radioactivity a brief account of theories is given. In the Electron Theory the mathematical development of the subject is first dealt with and this is followed by experimental tests of theory.

In 1924-25 Mathematical Theory of Electricity and Magnetism will be discussed. The lectures will be based on Maxwell's standard work, and include a general account of the later development of the theory.

Physical Seminary, Dr. Barnes.

Three hours a week throughout the year.

(Given in alternate years.)

In 1923-24 the seminary deals with a general mathematical discussion of physical optics. Students are expected to give detailed reports on the methods and results of investigations which illustrate the theory. When it seems desirable two and a half hours of experimental work will be substituted for one hour of the seminary.

In 1925-26 Thermo-dynamics and Radiation are the subjects of the seminary. The modern developments of thermo-dynamics and radiation including X-rays and photo-electricity are considered. Attention is paid to the application of the laws of thermo-dynamics in physical chemistry.

Physical Journal Club, Dr. Huff and Dr. Barnes.

One hour a week throughout the year.

The advanced students meet with the instructors once a week to hear or read papers on assigned topics in physics.

Laboratory Work, Dr. Huff and Dr. Barnes.

The laboratory work is arranged for the purpose of familiarising the student with the methods of research; the student begins by repeating methods and investigations of well-known experimenters, with any modifications that may be suggested, passing on to points of investigation left untouched by previous experimenters, and finally to the study of new methods and the prosecution of original research. Students taking physics as their chief subject for the degree of Doctor of Philosophy are expected to spend all the time possible in the laboratory. In the basement there is a constant-temperature vault designed for accurate comparison of lengths, etc., and the laboratory is provided with special rooms for magnetic, optical, and electrical work. A well-equipped shop and trained mechanics make it possible to have special forms of apparatus constructed which are needed in research work.

Chemistry.

The instruction in this department is under the direction of Dr. Roger Frederic Brunel, Professor of Chemistry, Dr. James Llewellyn Crenshaw, Associate Professor of Physical Chemistry, and Miss Edith Hamilton Lanman, Instructor in Chemistry. The instruction offered in chemistry covers twenty-one hours of lectures a week; it includes ten hours a week of undergraduate major and minor work, five hours a week of post-major work, open only to graduates and to undergraduates that have completed the major course in chemistry, and six hours a week of graduate work.

The first year's work, or minor course, is a general introduction to the subject. Lectures are given in inorganic chemistry and qualitative analysis.

In the second year particular attention is paid to the quantitative side of chemical phenomena. The lectures are on physical and organic chemistry.

The post-major courses are intended to prepare students for independent work, particular attention being paid to laboratory methods.

FIRST YEAR

(Minor Course)

1st Semester.

(Given in each year.)

Introduction to General Chemistry, Dr. Brunel

Three hours a week.

Laboratory Work, Dr. Brunel.

Six hours a week.

**Major
Course.**

The course does not presuppose any knowledge of chemistry. In the class-room the nature of chemical action is taught by lectures that are illustrated by a series of experiments in which the more important substances are made and transformed, the time being spent largely on the non-metals. Throughout the semester the lectures and the laboratory work are complementary. After all the experiments on a given subject have been carried out the results are discussed in the class-room.

2nd Semester.

The Chemistry of the Metals, Dr. Crenshaw.

Three hours a week.

Laboratory Work, Dr. Crenshaw.

Six hours a week.

This course deals with the properties of the more important metallic elements and their compounds. The methods of separation employed in the laboratory are discussed, and the fundamental principles upon which these methods of separation are based are emphasised. The lectures are supplemented by required private reading.

The laboratory work consists of qualitative analyses. The students are first taught to identify the basic and acidic constituents of solutions; later they are required to carry out analyses of a few simple alloys.

SECOND YEAR.

1st Semester.

(Given in each year.)

Lectures on Elementary Physical Chemistry, Dr. Crenshaw.

Three hours a week.

In this course chemical facts are considered from the point of view of common and exact relations and from these relations the laws and theories of chemistry are developed. Special attention is paid to the atomic theory, the laws of gases, the theory of solutions and electro-chemistry. Private reading and outside preparation amounting to at least three and a half hours is required.

Laboratory Work, Dr. Crenshaw.

Six hours a week.

The laboratory work consists of quantitative analyses. Each exercise is important in itself and illustrates some principle or involves some manipulation of general application in analytical work.

2nd Semester.

Organic Chemistry, Dr. Brunel.

Three hours a week.

The methods of preparation and the behaviour of the various classes of organic compounds are studied. Particular emphasis is laid on the relation between the arrangement of atoms within the molecule and the behaviour of the compounds, and on the processes of reasoning by which the constitution of organic compounds is established.

Laboratory Work, Dr. Brunel.

Six hours a week.

The laboratory work is devoted to organic preparations. Simple representatives of the more important classes of organic compounds are first prepared and their typical reactions studied. After a familiarity with the methods of dealing with organic substances has been gained, syntheses of a few of the more complex organic compounds are carried out.

Group: Chemistry with Mathematics, or with Physics, or with Geology, or with Biology.

POST-MAJOR COURSES.

Post-Major Courses.

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Organic Chemistry, Dr. Brunel.

Two hours a week throughout the year.

(Given in each year.)

The course consists of lectures, assigned reading with occasional reports, and laboratory work. It is intended to broaden the student's acquaintance with the subject and to serve as an introduction to the study of present day chemical problems.

At least four hours of laboratory work a week is required, three hours' credit being given for the course. The laboratory work consists of the preparation of compounds, organic analysis, and study of the methods for determining the constitution of organic compounds.

Physical Chemistry, Dr. Crenshaw.

Two hours a week throughout the year.

(Given in each year.)

The aim of the lectures is to extend the student's knowledge of physical chemistry and to lay a foundation for independent work in this subject. The lectures are supplemented by assigned reading and reports and are intended to give a general outline of the subject. The solution of a large number of problems is required.

The laboratory work amounting to four and a half hours a week is designed to prepare the students for physico-chemical research.

Inorganic Chemistry, Miss Lanman.

One hour a week throughout the year.

(Given in each year.)

Selected topics in inorganic chemistry are discussed in detail, and parallel reading is required. The laboratory work of six hours a week consists of advanced quantitative analyses.

GRADUATE COURSES.

Graduate Courses.

The advanced courses in chemistry consist of lectures upon inorganic, organic, and physical chemistry, seminars, reports upon current chemical literature, and laboratory work. A reading knowledge of French and German is indispensable.

The lecture courses are varied from year to year to meet the requirements of students and to form a consecutive course for those who wish to make chemistry the major subject in the examination for the degree of Doctor of Philosophy. Such students may specialise either in organic chemistry under the direction of Dr. Brunel, or in physical or inorganic chemistry under the direction of Dr. Crenshaw.

No undergraduates are admitted to graduate courses.

Chemical Seminary, Organic Chemistry, Dr. Brunel.

*One hour a week throughout the year.**(Given in each year.)*

This is intended primarily for students who are carrying on research in organic chemistry, and consists of reports on assigned topics which are usually related to the research in which the student is engaged.

Chemical Seminary, Inorganic Chemistry, Dr. Crenshaw.

*One hour a week throughout the year.**(Given in each year.)*

The work of the seminary consists of lectures, required reading, and reports on various topics. The needs of the individual students are considered in selecting the subjects for discussion.

Advanced Organic Chemistry, Dr. Brunel. *One hour a week throughout the year.**(Given in each year.)*

Lectures, reading, and occasional reports cover the historical developments and present status of subjects of current interest.

Students counting this course as the equivalent of a seminary are required to do enough laboratory work to make the work of the course occupy fourteen hours a week. The nature of this work depends so largely on the past training of the student that no definite statement can be made regarding it. A sufficiently advanced student may be assigned a problem to investigate.

Physical Chemistry, Dr. Crenshaw.

*Two hours a week throughout the year.**(Given in each year.)*

In the lectures no attempt is made to give a general survey of the subject but certain selected portions of the science are treated in detail and the student is made familiar with problems of current interest. Students counting this course as the equivalent of a seminary are required to do enough laboratory work to make the work of the course occupy fourteen hours a week. The laboratory work consists of physico-chemical measurements.

Chemical Journal Club, Dr. Brunel and Dr. Crenshaw.

One hour a week throughout the year.

The advanced students and the instructors meet to hear reports and discuss recent scientific articles.

Geology.

The instruction in this department is under the direction of Dr. Florence Bascom,* Professor of Geology, Dr. Malcolm Havens Bissell, Associate in Geology, and Dr. W. S. Tangier Smith, Lecturer in Geology.

The instruction offered in geology covers twenty hours of lectures a week; it includes the equivalent of ten hours a week of undergraduate major and minor work, three free elective courses of two hours and one hour a week, four post-major courses of two and three hours a week open only to graduates and to undergraduates that have completed the major course in geology, and two graduate seminaries of three hours a week, but all these courses will not be given in the same year.

* Granted sabbatical leave of absence for the year 1922-23. The courses announced by Professor Bascom are given by Dr. W. S. Tangier Smith.

The purpose of the major course in geology is to make clear to the student the constitution and history of the earth and the processes which have been operative in its evolution. The first year of the major course is arranged to give a general survey of two divisions of the science and at the same time to introduce the student to the larger field of geology. It may be taken as a free elective or as a year of required science or as the first year of the group course in geology. The second year of the major course deals with rocks and minerals, and with their arrangement in the lithosphere.

Post-major courses in petrography or mineralogy, economic geology, stratigraphy, and paleontology are offered in each year, and are designed to train the student in exact methods for the determination of rock and mineral species, in the genesis of ores and in the principles of stratigraphy and paleontology. They are an essential preliminary to research work in the science.

Excellent illustrative material for the graduate and undergraduate courses is furnished by the geological and paleontological collections of the college, including the Theodore D. Rand rock and mineral collection, which alone contains over 20,000 specimens, by the private collections of the instructors, and by material lent by the United States Geological Survey; the department is also fortunate in its proximity to the museum of the Academy of Natural Sciences of Philadelphia; within easy reach of the college there are excellent collecting fields for fossil, mineral, and rock specimens.

FIRST YEAR.

(*Minor Course.*)

1st Semester.

(*Given in each year.*)

Major Course.

Physiography, Dr. Bascom.*

Three hours a week.

Field Work and Laboratory Work, Dr. Bascom.*

Six hours a week.

The lectures deal primarily with the character and action of the forces which control the landscape and with the features produced by these forces; subordinately physiographic regions are discussed. The lectures are illustrated by photographs, lantern slides, geographic relief models, and maps.

In the laboratory the student is occupied with a study of the development of physiographic forms. This is conducted by means of practical exercises and the use of topographic maps and models.

For the field work, excursions are made into the immediate neighborhood during the autumn and spring. On all excursions instruction in field geology is given, areal mapping is accomplished, and reports of the areas covered are required of the students. Read-

* See footnote, page 137.

ing amounting to three hours will be required of students absent from a field trip. During the winter months laboratory work replaces the field excursions.

2nd Semester.

Introduction to Historical Geology, Dr. Bissell. *Three hours a week*

Field Work and Laboratory Work, Dr. Bissell. *Six hours a week.*

The lectures deal with the evolution of continents and of life, and with the distribution and character of the various rock formations. Special attention is given to the development of life and to the theory of evolution.

In the laboratory the student becomes familiar with the typical flora and fauna of the successive geologic formations and with the development of the more important classes. The field work involves excursions to fossiliferous localities in the Paleozoic formations of Pennsylvania, and to the Mesozoic and Cenozoic formations of New Jersey. During the winter months and when the weather is unsuitable laboratory work is substituted for the field work.

SECOND YEAR.

1st Semester.

(Given in each year.)

Lithology, Dr. Bissell. *Three hours a week.*

Field Work and Laboratory Work, Dr. Bissell. *Six hours a week.*

The lectures discuss the materials which constitute the earth's crust; the principal rock-forming minerals and others of special economic importance are first described; the important rock types, sedimentary, igneous, and metamorphic are described and their relations shown. The course closes with a discussion of the phenomena and principles of vulcanism and seismology. The lectures are illustrated by mineral and rock specimens, photographs, lantern slides, and wooden models. Private reading and outside preparation amounting to at least three and a half hours a week are required.

In the laboratory the students become familiar with methods for the rapid determination of the most common and most important rock forming and ore minerals; this is followed by a systematic study of the principal rock types.

Field excursions are made to mineral localities in the vicinity of the college.

2nd Semester.

Glaciology and Structural Geology, Dr. Bascom.* *Three hours a week.*

Field Work and Laboratory Work, Dr. Bascom.* *Six hours a week.*

The lectures treat of the evidences, conditions, and causes of the glacial period; the development of man; the causes and effects of earth movements; the origin and age of the earth. The course is illustrated with models, photographs, and lantern slides.

In the laboratory topographic maps, geologic folios, and models illustrating features due to glaciation and folios, maps, and models illustrating geologic structures are studied. Practice is given in topographic mapping from models, in modeling from topographic maps, and in drawing structure sections.

The field work of the first semester is continued and training in topographic mapping may also be given.

Group: Geology with Economics and Politics, or with Philosophy, or with Mathematics, or with Physics; or with Chemistry, or with Biology.

* See footnote, page 137.

FREE ELECTIVE COURSES.

**Free
Elective
Courses.****Cosmogony, Dr. Bascom.****One hour a week throughout the year.**(Given in 1922-23 and in 1924-25 if the time of the department permits.)*

The work of the course is conducted by means of lectures, required reading, and classroom discussion. The lectures treat of the origin of the earth, the growth of the continents and the development of landscape, and are illustrated by lantern slides. The course is designed to give a survey of the more important results reached by geological research. It will be given only if elected by a sufficient number of students.

Principles of Modern Geography, Dr. Bissell.*Two hours a week throughout the year.**(Given in 1922-23 and again in 1924-25.)*

This course is designed particularly to serve as an introduction to the relatively new science of human geography. It deals with the relations of the facts of physical geography to the activities of man, and special emphasis is placed on the importance of the study of natural or unit regions in the analysis of these relations. In the latter part of the course the geographical aspects of various political, social and economic problems are discussed.

Natural Resources and Their Conservation, Dr. Bissell.*Two hours a week throughout the year.**(Given in 1923-24 and again in 1925-26.)*

The aim of this course is to impart the knowledge concerning natural resources and their economic and political significance which is essential to a proper understanding of present day national and world problems. Some of the topics discussed are: The increasing dependence of man on natural resources; iron and coal as essentials of modern civilization; mechanical power and its sources, past, present and future; food supplies of the present and future; natural resources and international politics. The treatment of the subject is as broad as possible, and particular attention is paid to the problems of the United States

POST-MAJOR COURSES.

**Post-
Major
Courses**

The post-major courses are designed to bridge over the interval between the ordinary undergraduate studies and graduate work. As the amount of time given to undergraduate subjects differs in different colleges graduate students frequently find it advisable to elect some of these courses.

Petrography, Dr. Bascom.**Three hours a week throughout the year.**(Given in 1922-23 and again in 1923-24 and 1925-26.)*

During the first semester the lectures deal with the principles of optical crystallography, the optical means of mineral determination, and the petrographic characters of rock-forming minerals. In the second semester the textures, constitution, origin, geographic distribution, and geologic associations of igneous rocks are treated. Practice is given in the quantitative system of classification. Special field problems may be given to the students for independent solution.

Determinative Mineralogy, Dr. Bascom. *Two hours a week throughout the year.**(Given in 1924-25 and again in 1926-27.)*

In this course lectures and laboratory practice deal with the determination of minerals by means of physical tests and by blow-pipe analysis. Special emphasis is placed on crystal forms and practice is given in the use of the two-circle contact goniometer.

Economic Geology, Dr. Bissell.*Two hours a week throughout the year.**(Given in 1922-23 and again in 1923-24 and 1925-26.)*

The origin and geological occurrence of the useful minerals are treated in considerable detail, particular attention being given to the metallic ores.

* See footnote, page 137.

Physiography, Dr. Bissell.*Three hours a week throughout the year.**(Given in each year, provided the course in Stratigraphy and Paleontology is not given.)*

This course deals with fundamental physiographic principles and types. It may be modified from year to year to meet the needs of individual students. In addition to the lectures, private reading and field excursions, special reports and problems are assigned.

Stratigraphy and Paleontology, Dr. Bissell.*Three hours a week throughout the year.**(Given in each year, provided the course in Physiography is not given.)*

The work of the first semester consists largely of lectures and assigned reading, and is devoted to a thorough study of the principles of sedimentation. This is followed by a consideration of the laws governing the distribution of organisms in time and space.

In the second semester the lectures deal with the evolution of the continents and seas as shown by the record of the sedimentary rocks and their fossils. The successive formations of North America are studied in order, and ancient physiographic conditions deduced as accurately as possible. Particular attention is paid to the evolution of life through the different geological periods and the changes of environment controlling it. In the laboratory the typical fossils of each formation are studied, and the student is required to learn the guide fossils of the more important geological horizons.

GRADUATE COURSES.

The seminary in petrology and crystallography should be preceded by the major and post-major courses or their equivalents and is intended primarily for graduate students wishing to make inorganic geology a major subject for the degree of Doctor of Philosophy. The graduate seminary in crystallography is also intended to meet the needs of graduate students in chemistry who wish to make crystallography a minor subject for the degree of Doctor of Philosophy. The graduate seminary in physiography is designed primarily for graduate students wishing to make physiography a major subject for the degree of Doctor of Philosophy. Further graduate seminaries in petrology and physiography will be arranged to suit the requirements of candidates for the degree of Doctor of Philosophy and research problems will be assigned.

Graduate Courses.

Students may specialize either in petrology and crystallography, under the direction of Dr. Bascom, or in stratigraphic geology and physiography, under the direction of Dr. Bissell, but students who make inorganic geology the major subject of examination must take either physiographic geology, inorganic chemistry, or crystallography as the associated minor and students who elect physiographic geology as the major subject, must take either inorganic geology or biology as the associated minor. A list of approved independent minors will be found in the Regulations of the Academic Council.

No undergraduates are admitted to the graduate courses.

Seminary in Petrology or Crystallography or Metamorphic Geology, Dr. Bascom.*Three hours a week throughout the year.**(Given in each year.)*

The seminary is conducted by means of informal discussions, required reading, laboratory work, and formal reports. The selection of subjects in petrology is dependent upon the needs of the individual students and is varied from year to year. In crystallography direction is given in crystal measurement with the two-circle goniometer, in crystal pro-

jection, and crystal drawing. When metamorphic geology is the subject of the seminary the products and processes of anamorphism and katamorphism are investigated and classified.

Seminary in Physiography, Dr. Bissell. *Three hours a week throughout the year.*
(Given in each year.)

A broad study of the physiographic cycle forms the basis of this course. The general principles governing the development of land forms are applied to various physiographic types, and the evolution of surface features under the control of climate and geologic structure is studied in considerable detail. This is followed by a study of definite regions illustrating the application of physiographic principles to problems of structural, economic and stratigraphical geology. Lectures, outside reading, reports, map work and field excursions are the methods of instruction. Research problems are taken up if time permits.

Geological Journal Club, Dr. Bascom and Dr. Bissell.

Two hours once a fortnight throughout the year.

The graduate students and the instructors meet for the presentation and discussion of recent geological literature.

Biology.

The instruction in this department is under the direction of Dr. David Hilt Tennent,* Professor of Biology, Dr. Anna Baker Yates, Associate in Physiology and Biochemistry, Dr. Franz Schrader, Associate in Biology, Miss Helen Ingraham, Demonstrator in Biology, and Mrs. Sally Hughes Schrader, Assistant Demonstrator in Biology.

The instruction offered in biology covers twenty-three hours of lectures a week; it includes the equivalent of ten hours a week of undergraduate minor and major work; one hour a week of free elective work; nine hours a week of post-major work, open to graduates and to undergraduates that have completed the major course in biology, and nine hours a week of graduate lectures and seminary work. The post-major work may be further extended by special laboratory courses.

The work of the first year, or minor course, forms a general introduction to the subject through a broad, comparative study of living things (general biology). In the second year the foundation of a minuter knowledge of animal morphology and physiology is laid. The third year's work, or post-major course, is devoted to the study of more advanced subjects and the practical investigation of simple problems. A knowledge of the elements of chemistry and physics is desirable for students entering any course in biology, and is necessary for advanced work in the subject.

* Granted sabbatical leave of absence for the year 1922-23. The courses offered by Professor Tennent are given by Dr. Anna Baker Yates and Dr. Franz Schrader.

FIRST YEAR.

(Minor Course.)

1st Semester.

(Given in each year.)

Lectures on General Biology, Dr. Tennent.*

Three hours a week.

Laboratory Work, Dr. Tennent* and Miss Ingraham.

Six hours a week.

**Major
Course.**

2nd Semester.

Lectures in General Biology, Dr. Schrader.

Three hours a week.

Laboratory Work, Dr. Schrader and Miss Ingraham.

Six hours a week.

The object of this course is to give the student clear conceptions of the fundamental principles of morphology and physiology and of the relations of the biological sciences to one another and to other branches of science. The laboratory practice is designed to enable the student, as far as possible, to examine for herself the facts discussed in the lectures, to encourage the habit of exact observation, and to impart a knowledge of methods of practical work.

The general subject is treated in two courses which supplement each other and must be taken together. The work is designed not simply to teach the elements of zoölogy and botany, as commonly understood, but in addition to treat plants and animals with constant reference to one another, both as to structure and mode of action. Emphasis is therefore laid on the essential facts of comparative morphology and physiology (general biology) as illustrated by the thorough study of a few types, rather than on the minutiae of classification. At the same time the work is arranged with reference to subsequent special work in zoölogy, botany, and physiology.

In the first semester the student studies a number of animals and plants, so arranged as to form a natural progressive introduction to the general principles of biology. The student makes a detailed examination of unicellular organisms, and from these proceeds gradually to the complex conditions of structure and function found in higher animals and plants. In the second semester attention is given mainly to the biology of the higher animals. Two-thirds of the semester is devoted to a study of the morphology and physiology of vertebrates; the remainder of the semester to a study of the embryology of the frog and, in greater detail, that of the chick.

SECOND YEAR.

1st Semester.

(Given in each year.)

General Zoölogy, Dr. Schrader.

Three hours a week.

Laboratory Work, Dr. Schrader and Miss Ingraham.

Six hours a week.

This course extends the work of the first year so as to include a survey of the morphology and taxonomy of all the main groups of invertebrate animals. Part of the course is devoted to a critical analysis of the theory of evolution and discussions of the broader philosophical problems of biology such as heredity, variation, adaptation, and kindred topics. These lectures vary from year to year and are intended to be suggestive rather than exhaustive in character.

2nd Semester.

General Physiology, Dr. Yates.

Three hours a week.

Laboratory Work, Dr. Yates and Miss Ingraham.

Six hours a week.

The lectures in general physiology deal with the properties and responses of living matter; with the organization of living matter into groups of cells or tissues specialized to perform specific functions; and with the relation of these several groups of cells to each other.

The comparative physiology of plants and animals is considered for the purpose of gaining a clearer conception of the similarity of life processes and of the changes in structure and

* In 1922-23 this course is given by Dr. Yates.

function as organisms increase in complexity and become more independent of their environment.

The lectures are supplemented by laboratory experiments, oral reports and written quizzes.

Group: Biology with Psychology, or with Mathematics, or with Physics, or with Chemistry, or with Geology.

FREE ELECTIVE COURSE.

Free Elective Course.

Theoretical Biology, Dr. Tennent.

One hour a week throughout the year.

(Given in each year.)

This is an historical course dealing with the development of the theories of biology. The course is open to students who have had one year's training in science. Special attention is given to theories of evolution and heredity. A considerable amount of assigned reading is required.

POST-MAJOR COURSES.

Post- Major Courses.

Embryology of Vertebrates, Dr. Tennent.

One hour a week throughout the year.

(Given in 1923-24 and again in 1925-26.)

This course consists of lectures, assigned reading, and laboratory work on the embryology of vertebrates. The lectures deal with the development of specific forms and with theoretical questions of embryological interest. The department has material for the study of the development of Amphioxus, Ascidian, Amia, Lepidosteus, Squalus, Ctenolabrus, Necturus, Rana, Chrysemys, Chick, and Pig. At least four hours of laboratory work are required.

The course is divided as follows: First semester, Early stages of development. Second semester, Organogeny.

Protoplasm, the Cell, and Cytological Technique, Dr. Tennent.

One hour a week during the first semester.

(Given in 1924-25 and again in 1926-27.)

This course consists of a study of the structure of protoplasm, the structure of the cell, the phenomena of cell division, maturation, and fertilization. Both plant and animal cells will be studied, and instruction will be given in methods of preparing cytological material for microscopical examination. This course is to be taken with four hours laboratory work as a two-hour course.

Experimental Morphology, Dr. Tennent.

One hour a week during the second semester.

(Given in 1924-25 and again in 1926-27.)

The object of this course is to give a general historical view of experimental morphology of both plants and animals, to discuss some of the methods employed, to point out the results already obtained, and to indicate the nature of the work now being done in the subject. This course is to be taken with four hours laboratory work as a two-hour course.

Biochemistry, Dr. Yates.

Two hours a week throughout the year.

(Given in 1922-23 and again in 1924-25.)

The course consists of lectures, assigned reading, and at least four hours of laboratory work a week. It deals with the chemical constitution of living matter; with the sources from which the chemical substances necessary for life are derived; with the chemical changes by which non-living material is incorporated as living matter; with the chemical changes by which both living and non-living matter provide energy for the carrying on of vital processes. In particular the chemical characteristics of the fluids and tissues of the body are studied so as to show, as far as possible, the actual chemical phenomena underlying or influencing the normal functions of the mammalian organism.

A preliminary training in chemistry equivalent to that obtained in the major course is required.

Advanced Physiology, Dr. Yates.*Two hours a week throughout the year.**(Given in 1923-24 and again in 1925-26.)*

This course consists of lectures, assigned reading, reports on current investigations, quizzes, and at least four hours of laboratory work a week. It will include an intensive study of the physiological properties of highly specialized tissues in lower vertebrates and mammals. The course will further deal with the interdependence of the parts of the organism and the relation of the parts to the whole, which makes possible an effective and smoothly running living mechanism.

Physiology of Microorganisms, Dr. Schrader.*One hour a week throughout the year.**(Given in 1923-24 and again in 1925-26.)*

During the first semester the time is devoted to an introduction to bacteriology, covering the routine bacteriological technique and a consideration of the elementary principles of immunity and infection. In the second semester taxonomy, problems of growth, cell division, regeneration, and reproduction in protozoa are treated. At least four hours of laboratory work a week is required. A special problem is assigned to each student.

Laboratory Work, Dr. Tennent, Dr. Yates and Dr. Schrader.

It is desirable that as much laboratory work as possible should be done in connection with the courses offered above. The object of the laboratory work is to give the student experience in the use of apparatus and in its adaptation to research. Some special problem is assigned to each student; at the end of the year the results of the work are presented in writing.

GRADUATE COURSES.

Ten hours a week of seminary work and graduate lectures are offered each year to graduate students of biology accompanied by the direction of private reading, laboratory work and original research. The books needed by the graduate students are collected in the library of the department. No undergraduates are admitted to graduate courses, but the post-major courses of the department amounting to six hours a week may be elected by graduate students. The advanced courses are varied from year to year, so as to form a consecutive course for students that wish to make biology one of the chief subjects of the examination for the degree of Doctor of Philosophy. Such students may specialise either in animal morphology under the guidance of Dr. Tennent and Dr. Schrader or in physiology or in physiological chemistry under the guidance of Dr. Yates.

Graduate Courses.**Seminary in Zoölogy, Dr. Tennent.***Three hours a week throughout the year.**(Given in each year.)*

In 1922-23 and again in 1924-25 Cytology is the subject of the seminary. The work deals with the anatomy of the cell and the relations and functions of its various structures in unicellular and multicellular organisms. Special attention is given to the phenomena of spermatogenesis and oögenesis and the theories connected therewith.

In 1923-24 and again in 1925-26 Embryology of Invertebrates is the subject of the seminary. The work includes a systematic survey of the normal development of invertebrates; of the problems of germinal organization, cleavage and differentiation, and a discussion of the bearing of these questions on evolution and inheritance.

Seminary in Physiology and Biochemistry, Dr. Yates.*Three hours a week throughout the year.**(Given in each year.)*

In 1922-23 the subject is the general metabolism of the mammalian organism and the influence of the endocrine organs in regulating and modifying vital processes.

In 1923-24 the physiology of the cell is studied. The work includes a consideration of the physical and chemical constitution of living matter; of the physico-chemical laws underlying life processes; of the dynamics of the single cell and of groups of cells aggregated into tissues.

In 1924-25 the comparative physiology of the nervous system is studied. The development of the nervous system is traced from the primitive forms to its complex form in the higher vertebrates. The bearing of this development on evolution and the significance of this development in the vital functions of the higher organisms is studied.

The order of the subjects may be varied to meet the needs of the students.

Seminary in Biology, Dr. Schrader.

Three hours a week throughout the year.

(Given in 1922-23 and again in 1924-25.)

Genetics is the subject of the seminary. The work includes a discussion of biometrical methods and results; of investigations on "pure lines"; of the effectiveness of selection; of the relation between chromosomes and heredity; of various theories of heredity and of the application of these ideas in animal and plant breeding.

Biological Journal Club, Dr. Tennent, Dr. Yates and Dr. Schrader.

One hour a week throughout the year.

The advanced students and the instructors meet for the presentation and discussion of topics of current biological literature.

Laboratory Work, Dr. Tennent, Dr. Yates and Dr. Schrader.

There is no regular course of laboratory instruction for graduates. Each student desiring to devote a considerable portion of her time to such work is given an experimental problem for verification or extension. The nature of the work depends in each case on the qualifications of the student.

Physical Training.

The instruction in this department is under the direction of Miss Constance M. K. Applebee, Director of Physical Training, and Miss Mary W. Barrow and Miss Nora Hutchinson, Assistants to the Director of Physical Training.

*Require-
ments.*

Four periods a week of physical training are required of all resident and non-resident undergraduates. The work of the year is divided into three seasons. During the winter term two periods of class work are required. For students unable to pass the swimming test swimming lessons are required. Students who, in the opinion of the College Physician and the Director of Physical Training, are not in good physical condition or are not able to fulfil all the requirements of the department, must take special corrective or remedial work under the direction of an instructor trained in medical work. A fee will be charged for these special cases.

A fee of seven dollars a year is charged to each resident undergraduate, and a fee of three dollars and fifty cents a year to each non-resident undergraduate and to each resident graduate student for the up-keep of the athletic fields.

Winter Classes.

Two classes a week.

Classes.

Two classes a week of gymnastics are required of Freshmen and Sophomores. For Juniors and Seniors two of any of the following classes are required: Elementary or Advanced Gymnastics, Fencing, Playground Games, English Country, Morris, Folk or Interpretative Dancing, Eurhythmics, Corrective Gymnastics.

Swimming.

Two lessons a week.

Swimming.

Two swimming lessons a week are required of all the students until they have passed the swimming test.

Students, with the exception of first and second class swimmers, who register for swimming are expected to attend swimming classes and trials during one season of each year. Instruction in swimming includes: Strokes, Form and Fancy Diving, Plunging, Racing, Life Saving and Water Polo.

Athletics.

Four required periods.

Athletics.

During the autumn and spring the four required periods and in winter the two periods not taken in class work may be any of the following forms of competitive athletics:

Autumn. Hockey, Tennis, Swimming, Badminton.

Winter. Water Polo, Swimming, Badminton, Soccer, Indoor Tennis.

Spring. Basketball, Tennis, Track, Swimming, Fencing.

During the autumn and spring classes in Dancing, Playground Games, Gymnastics and Corrective Work are held for students not wishing to enter competitive sports.

Hygiene.

One hour a week for one semester.

Hygiene.

A course of Hygiene lectures of one hour a week for one semester, usually taken in the Sophomore year, is required of all undergraduates. This hour is in addition to the four periods of Physical Training, and in addition to the one hundred and twenty hours required for the degree.

Department of Health.

The health of the students is under the care of a Health Committee consisting of the President of the College, the Dean of the College, Chairman of the Committee, the Director of Physical Training, the Physicians of the College, and the Wardens.

All entering students are required to file at the office of the Dean of the College a report of a recent medical examination filled out and signed by a physician, on a blank to be secured from the college.

Health Certificate.

A certificate of successful vaccination or of two unsuccessful vaccinations within two years before entering the college is required. Students who have no certificate to this effect are required to be vaccinated by one of the College Physicians. A fee of five dollars is charged.

Vaccination.

Every undergraduate student and hearer is examined each year by the Resident Physician of the College, and twice each year by the Director of Physical Training with reference to physical development, strength of heart and lungs, and general

Physical Examination.

health. The Physician in Chief of the College acts as consultant and is referred to in all unusual cases. The eyes of students are examined by the Examining Oculist of the College during the first semester after entering the college and again during the first semester of the junior year.

*Health
Supervision.*

Any student who, at the time of the examination or at any other time during the year is not in good health is placed on the health supervision list, is required to follow the special régime prescribed, and her extra-curriculum activities may be limited.

The Director of Physical Training receives the reports of students under medical treatment, keeps records of the health of all students and endeavours by interviews, and advice on personal hygiene, to maintain and improve the health of the students. All students are urged by the Health Department to take some out-of-door exercise in addition to their periods of Physical Training.

*Graduate
Students.*

All graduate students including those elected to fellowships or scholarships are required to have a medical, physical and oculist's examination and to comply with the health directions of the college physicians. Those who are found to be suffering from uncorrected eye trouble will be expected to follow the oculist's advice. All resident graduate students are required to take the regular exercise prescribed and students who are unwilling to comply with this regulation will not be permitted to live in the halls of residence.

*Physicians
and Nursing.*

Eminent specialists practising in Philadelphia have consented to serve as consulting physicians of the college. The Resident Physician will be in her college office during the hours from half-past eight to nine and from four to five forty-five every day except Saturday and Sunday and on Saturday and Sunday from nine to ten A. M. and may be consulted by the students without charge.

The infirmary fee of \$20.00 paid by each resident undergraduate student and of \$10.00 paid by each resident graduate student entitles each undergraduate student to be cared for in the infirmary for four days, and each graduate student to be cared for for two days (not necessarily consecutive), during the year and to attendance by the college physicians during this time

and to nursing, provided her illness is not infectious. It also entitles her to the services of the nurses employed by the college during other temporary illness, provided one of the regular nurses is free at the time. In the case of an illness of longer duration and also in the case of all diseases of an infectious character the student must meet, or in case of two or more students with the same infectious disease, must share, the expense of a special nurse, the infirmary fees, which are \$5.00 a day, and also hospital or sanitarium charges should she be removed from the college by order of the Physician in Chief.

A special nurse for one student costs approximately \$7.10 per day or \$49.40 per week, which includes nurse's fee, board and laundry. The infirmary fee is \$5.00 per day. When a student has not an infectious disease the infirmary fee of \$5.00 per day will include the nurse's fee provided it is possible for one of the college nurses to care for the student. The fees of the consulting physicians and surgeons and other specialists recommended by the college will be furnished on request.

All communications concerning the health of the students from parents and guardians, outside physicians, and others should be addressed to the Dean of the College, who will excuse students for absence before and after vacations on account of serious illness and from attendance on academic work during the time that they are in the infirmary or seriously ill at home. Any student who becomes ill when away from the college is asked to send word immediately to the Dean of the College.

Opportunities for Public Worship.

In the vicinity of the college there are churches of almost all the various religious denominations. Coaches are provided by the college on Sundays to enable students to attend the churches in the neighbourhood.

Religious services are held in the college every Sunday evening by prominent clergymen of different denominations. A vesper service is held every Sunday afternoon and there is daily morning chapel. Attendance on all the religious exercises of the college is voluntary.

COLLEGE BUILDINGS.

The college buildings are situated at Bryn Mawr, in the suburbs of Philadelphia, five miles west of the city, on the main line of the Pennsylvania Railroad. Bryn Mawr is connected with Philadelphia by frequent electric trains on the Pennsylvania Railroad and by an electric trolley running every twenty minutes. The site of the college is four hundred and twenty feet above sea level in the midst of a beautiful rolling country made accessible by good roads in every direction. The college grounds cover fifty-two acres, and include lawns, tennis-courts, and three large athletic fields.

Taylor Hall (named after the founder), a large building of Port Deposit stone, contains a general assembly room, ten lecture-rooms, an office for the Alumnae Association, and the offices of administration.

The Donors' Library, the gift of the friends, graduates, and students of the college, was begun in April, 1903, and completed in February, 1907. It is built of gray stone in the Jacobean Gothic style of architecture of the period of 1630 and forms three sides of a closed quadrangle. The main building, devoted to the library proper, faces east and is opposite and parallel to Taylor Hall at a distance of about fifty yards; the principal entrances of the two buildings face each other and are connected by a broad cement path. The east front is one hundred and seventy-four feet long and contains a three-story stack with accommodation for 88,000 volumes, and above this a large reading-room with desks for one hundred and thirty-six readers, each desk screened to a height of two feet as in the British Museum reading-room to secure privacy to the reader. No books of reference are kept in the main reading-room. The total book capacity of the library, including the seminary libraries and the books for general study which are kept in the stack, is 168,449 volumes. The building is absolutely fireproof. On the north side of the main reading-room is the Art and Archaeological Seminary, containing collections of photographs, vases, and coins; on the south side are the offices of the Carola Woerishoffer Department of Social Economy. The main building contains the Stack, the New Book Room, Reference Book Room, the Carola Woerishoffer Memorial

Room, the Reserved Book Room, the Christian Association Library, one lecture room, one professor's office, and three cloak rooms. The wings of the building, running symmetrically about two hundred feet in length from the north and south ends of the main building, contain fourteen seminary rooms and thirty-two professors' offices. The books needed for graduate study and research are kept in the seminary rooms and graduate lectures are held in them. The seminaries are arranged as follows: Greek, Latin, English, Art and Archæology, French and Italian and Spanish, German, Semitic Languages and Philosophy and Education and the Magazine Room in the north wing; Mathematics, History, Economics, Carola Woerishoffer Department of Social Economy and Social Research, and Psychology in the south wing, where are also offices for the librarians and cataloguers. The professors' offices for the two senior professors in each department in general adjoin the seminary rooms. There are also two general lecture-rooms, one accommodating forty-two, the other twenty students. On the first floor of the south wing the department of experimental psychology has two large laboratories, one for general work and one for research. The basement of the north wing contains an experimental laboratory of the department of Education, two interview rooms, a room for the Monograph Committee of the Faculty, and fireproof safe rooms for the records and archives of the college. The quadrangular court enclosed by the building is surrounded by cloisters and in the centre of the grass enclosure is a fountain, the gift of the class of 1901.

The library is open for students on week-days from 8 A. M. till 10 P. M. and on Sundays from 2 P. M. till 10 P. M. It is open for the faculty at all hours.

In January, 1893, the scientific departments of the college were transferred to Dalton Hall, a stone building erected by the trustees out of funds in large part contributed by the generosity of friends of the college. Dalton Hall is entirely occupied by the scientific departments, the special scientific libraries, and the consultation-rooms of the professors of science. The first floor and the basement are reserved for physics, the second floor is reserved for biology, the third floor for chemistry, and the

fourth and fifth floors for geology. In December, 1893, a greenhouse designed for the use of the botanical department was added to Dalton Hall as the gift of the *alumnæ* and students.

The new gymnasium, erected on the site of the first gymnasium as a gift of the Athletic Association, the *alumnæ* and thirteen neighbours of the college, was completed in February, 1909. It is open to the students from 8 A. M. till 10 P. M., daily, contains a large hall for gymnastic exercises, with a running or walking track for use in rainy weather; a room for the director and an adjoining room for the examination and record of the physical development of the students, a waiting-room, and cloak rooms. The roof, 50 feet wide by 90 feet long, is used for gymnastic drills and students' entertainments. In the basement are dressing-rooms and shower-baths for use after exercise and a swimming-tank, seventy feet long, twenty feet wide, and from four to seven and a half feet deep, given in 1894 by the *alumnæ*, students, and friends of the college, and well supplied with apparatus for the teaching of swimming. The gymnasium is under the charge of a director and an assistant.

On the grounds, separated from other buildings, is the 1905 Infirmary. It was opened in October, 1913, with accommodation for patients and nurses, doctors' offices and consultation rooms, diet kitchens, bathrooms, wards and private rooms, sun parlour, sun terrace, and two isolation wards.

Plans and descriptions of Taylor Hall, Donors' Library, Dalton Hall, the Gymnasium, the 1905 Infirmary and the six halls of residence, are published in Part 4 of the Bryn Mawr College Calendar and may be obtained from the Secretary and Registrar of the College.

Music-rooms with sound-proof walls and ceilings are provided in Pembroke Hall East. There is a club-room for non-resident students in Cartref and also rooms where the students can have hairdressing and dressmaking done in Merion Hall.

The Phebe Anna Thorne Open Air School of the department of Education is situated on the campus and has its own school building with out-of-door class-rooms, Japanese open-air theatre and athletic ground.

The business administration of the College is carried on

through the Superintendent's office in the basement of Rockefeller Hall.

A central power-house, which was erected in 1902 as part of the gift of Mr. John D. Rockefeller, furnishes heat, electric light, and hot water for all the college buildings. Steam is conducted through tunnels underground to coils in the basement of each building. Air brought in from the outside is blown through the heaters by powerful fans and distributed to the various rooms, and the system is so adjusted as to change the air completely in every room once in every ten minutes throughout the day and night. The temperature is regulated by thermostats in the heating coils and every room in the college has separate thermostatic control. The electric lights, including electric reading-lamps for each student, are installed in the most approved manner and the voltage is kept constant so that there is no fluctuation. A constant and abundant supply of hot water is laid on and maintained at a temperature of 180 degrees day and night in all the bathrooms and stationary washstands and tea pantries.

Telephone pay stations by means of which the students may be reached at any time are maintained in the library, gymnasium, infirmary and in each of the halls of residence. The Western Union Telegraph and Cable Company delivers telegrams between the hours of 6 A. M. and 12 P. M. Near the college there are a United States money-order office, two banks and an office of the American Railroad Express.

LIBRARIES.

The fact that the College is situated in the suburbs of Philadelphia enables the student to make use of all the resources of the libraries of Philadelphia, as well as those of the College proper.

The College library has been collected within the past thirty-nine years, and is designed to be, as far as possible, a library for special study. There are at present on its shelves about one hundred thousand bound volumes, and ten thousand dissertations and pamphlets, the collection including the classical library of the late Professor Sauppe, of Göttingen, which was presented to the college in 1894, and the Semitic library of the late Professor Amiaud, of Paris, acquired in 1892. A more

detailed description of these two collections may be found on pages 53 and 84.

The sum of about seven thousand dollars is expended yearly for books under the direction of the heads of the several collegiate departments, and, in addition to many gifts of books, about twenty thousand dollars has been presented to the library during the past ten years for expenditure in special departments. Over six hundred publications and reviews in the English, Greek, French, Italian, Spanish, German, and Swedish languages, are received by the library, as follows:

General and Miscellaneous Periodicals.

- | | |
|---|---|
| Abhandlungen der Königlichen Bayerischen Akademie der Wissenschaften zu München. | London Mercury. |
| *Amherst Graduates' Quarterly. | Mercure de France. |
| Asia. | Mind and Body. |
| Atlantic Monthly. | *Monthly Bulletin of the Carnegie Library of Pittsburgh. |
| Bookman. | Nachrichten von der Königlichen Gesellschaft der Wissenschaften, Göttingen. |
| Bookman (English). | Nation, N. Y. |
| Bookseller. | Nation and Athenaeum. |
| *Bryn Mawr Alumnae Bulletin. | Neue Rundschau. |
| Bulletin of Bibliography. | New Republic. |
| *Bulletin of the New York Public Library. | New Statesman. |
| *Bulletin of the Pan-American Union. | New York Times Index. |
| Century. | Nineteenth Century. |
| Contemporary Review. | North American Review. |
| Cumulative Book Index. | Nouvelle Revue Française. |
| Deutsche Rundschau. | Nuevo Mundo. |
| Dial. | Nuovo Antologia. |
| Drama. | Outlook. |
| Écrits Nouveaux, Les. | *Pennsylvania Library Notes. |
| Edinburgh Review. | Philadelphia Symphony Orchestra Programme. |
| English Review. | Preussische Jahrbücher. |
| La Esfera. | Public Affairs Information Service Bulletin. |
| Fortnightly Review. | Publishers' Weekly. |
| Forum. | Punch. |
| Göttingische Gelehrte Anzeigen. | Quarterly Review. |
| Harper's Monthly Magazine. | Reader's Guide to Periodical Literature. |
| Harvard Graduates' Magazine. | Review of Reviews. |
| L'Illustration. | Revue Critique d'Histoire et de Littérature. |
| Independent and Weekly Review. | Revue de Paris. |
| Inter-America. | Revue des Deux Mondes. |
| International Index to Periodicals. | *Revue Internationale de la Croix-rouge. |
| Jahresverzeichniss der an den deutschen Schulanstalten erschienenen Abhandlungen. | Revue Politique et Littéraire; Revue Bleue. |
| *Japan Society Bulletin. | Saturday Review. |
| *Johns Hopkins University, Circulars. | Scientia. |
| Library Journal. | Scribners Magazine. |
| Literary Digest. | |
| Living Age. | |

* Presented by the Publishers.

Sewanee Review.
 Sitzungsberichte der Königlichen Bayerischen Akademie der Wissenschaften.
 Sitzungsberichte der Königlichen Preussischen Akademie der Wissenschaften zu Berlin.
 Spectator.
 Theater Arts Magazine.

*University of California, Publications.
 *University of Missouri, Studies.
 *University of Nebraska, Studies.
 *University of Texas, Studies.
 *University of Washington, Studies.
 Weekly Review of the Far East.
 World's Work.

Newspapers.

*College News, Bryn Mawr.
 Daily News Record.
 *Home News, Bryn Mawr.
 London Times.

New York Evening Post.
 New York Times.
 Philadelphia Public Ledger.
 El Sol.

Art and Archaeology.

American Journal of Archaeology.
 Archæologike Ephemeris.
 Art and Archæology.
 Art Bulletin.
 Art in America.
 L'Arte.
 Boletín de la Sociedad Española a Excursiones.
 British School at Athens, Annual.
 Bulletin of the Metropolitan Museum of Art, New York.
 *Bulletin of the Rhode Island School of Design.
 Bulletino della Commissione archaeologica comunale de Roma.
 Burlington Magazine.
 Denkmäler der Malerei des Altertums.
 Emporium.
 Gazette des Beaux Arts.
 International Studio.
 Jahrbuch der königlich preussischen kunstsammlungen.
 Jahrbuch des Deutschen Archäologischen Instituts.

Jahreshefte des Österreichischen Archäologischen Instituts in Wien.
 Journal of Egyptian Archæology.
 Journal of Hellenic Studies.
 Journal international d'archéologie numismatique.
 Mittheilungen und Nachrichten des Deutschen Palästina Vereins.
 Mittheilungen des Deutschen Archäologischen Instituts, Athenische Abteilung.
 Mittheilungen des Deutschen Archäologischen Instituts, Römische Abteilung.
 Museum Journal.
 *Museum of Fine Arts Bulletin, Boston.
 Notizie degli Scavi di Antichità.
 Rassagne d'arte.
 Revue archéologique.
 Revue de l'art.
 Rivista d'arte.
 Syria.
 Zeitschrift des Deutschen Palästina Vereins.
 Zeitschrift für bildende kunst.

Economics and Politics.

*Advocate of Peace.
 All Opinions of the U. S. Supreme Court.
 *American Association for International Conciliation, Publications.
 American City.
 American Economic Review.
 *American Economist.
 American Federationist.
 American Journal of International Law.
 American Municipalities.
 American Political Science Review.
 *The Americas.
 Annalist.

Annals of the American Academy of Political and Social Science.
 Citizens Business.
 City Record, Boston.
 Columbia Law Review.
 Columbia Studies in History, Economics and Public Law.
 Commerce Monthly.
 Commerce Reports.
 *Congressional Record.
 Consolidated list of Parliamentary Publications.
 Economic Journal.

Foreign Affairs.
 Good Government.
 Great Britain, Quarterly List of Official Publications.
 Handbuch der öffentlichen Rechte.
 Harvard Law Review.
 Jahrbücher für Nationalökonomie und Statistik
 Johns Hopkins University Studies in Historical and Political Science.
 Journal of Political Economy.
 Journal of the Royal Statistical Society.
 League of Nations Official Journal.
 Modern City.
 Municipal Journal, Baltimore.
 Municipal Review of Canada.
 National Municipal Review.
 National Tax Association Bulletin.

Political Science Quarterly.
 Proceedings of the Academy of Political Science.
 Proportional Representation Review.
 Publications of the American Economic Association.
 Quarterly Journal of Economics.
 Revue bibliographique.
 Revue général de Droit international public.
 Searchlight on Congress.
 Short Ballot Bulletin.
 *Single Tax Review.
 Sozialwissenschaftliches Literaturblatt.
 Yale Review.
 Zeitschrift für Volkswirtschaft, Socialpolitik u. Verwaltung.

Social Economy and Social Research.

*Advance.
 American Child.
 American Child Hygiene Association, Transactions.
 American Flint.
 American Industries.
 American Journal of Public Health.
 American Journal of Sociology.
 American Labor Legislation Review.
 *American Pressman.
 American Review of Tuberculosis.
 *Bakers' Journal.
 Better Times.
 *Bridgeman's Magazine.
 *Broom-maker.
 Bulletin of the Bureau of Vocational Information.
 Bulletin of the International Labour Office.
 Bulletin of the National Tuberculosis Association.
 Bulletin of the National Society for Vocational Education.
 *Bulletin of the New York State Department of Labor.
 Bulletin of the Taylor Society.
 *Carpenter.
 Charity Organization Review.
 *Commercial Telegraphers' Journal.
 Community Center.
 Corporation Training.
 Economic World.
 Efficiency Magazine.
 *Electrical Worker.
 *Elevator Constructor.
 Eugenics Review.
 Factory.
 Filing and Office Management.

*Garment Worker.
 *Granite Cutters' Journal.
 Housing Betterment.
 Industrial Arts Index.
 Industrial Bulletin.
 Industrial Information Service.
 Industrial Management.
 Industrial News Survey.
 *Institution Quarterly.
 *International Bookbinder.
 *International Musician.
 *International Steam Engineer.
 Iron Age.
 Journal of American Statistical Association.
 Journal of Applied Sociology.
 Journal of Criminal Law.
 Journal of Delinquency.
 Journal of Heredity.
 Journal of Industrial Hygiene.
 Journal of Personnel Research.
 Journal of Social Forces.
 Journal of Social Hygiene.
 *Journal of the Cigar Makers' International Union.
 Journal of the Outdoor Life.
 *Journeyman Barber.
 Labor Age.
 Labor Bulletin of the Massachusetts Bureau of Statistics.
 Labor Gazette.
 *(The) Lather.
 *Law and Labor.
 *Leatherworkers' Journal.
 Life and Labor.
 *Machinists' Journal.
 Management.

*Metal Polishers' Journal.
Metron.
*Motorman and Conductor.
*Mixer and Server.
Nation's Business.
Nation's Health.
National Conference of Social Work
Bulletin.
*Ohio State Institution Journal.
*Painter and Decorator.
*Papermakers' Journal.
*Patternmakers' Journal.
*Paving Cutters' Journal.
*Plasterer.
Playground.
*Plumbers' Journal.
Proceedings of the National Conference of
Social Work.
*Progressive Labor World.
*Public Health, Michigan.
*Quarry Workers' Journal.
*Railway Carmen's Journal.
*Railway Clerk.
*Retail Clerks' International Advocate.
Seaman's Journal.

*Shoeworkers' Journal.
Social Hygiene Bulletin.
Social Service Review.
*Stereotypers' and Electrotypers' Journal.
Survey.
System.
*Tailor.
*Teamsters', Chauffeurs', Stablemen and
Helpers' Magazine.
*Textile Worker.
*Tobacco Workers' Journal.
*Trade Union News.
*Typographical Journal.
*United Association of Journeymen Plum-
bers' Journal.
*U. S. Bureau of Immigration, Publications.
*U. S. Bureau of Labor Statistics, Bulletin.
*U. S. Bureau of the Census, Publications.
*U. S. Children's Bureau, Publications.
*University of Illinois, Studies in Social
Sciences.
*University of Minnesota, Studies in Social
Sciences.
*Woodcarver.

Education.

Education.
Educational Review.
Educational Times.
Elementary School Journal.
Industrial Education Magazine.
Journal of Educational Psychology.
Journal of Educational Research.
Journal of Experimental Pedagogy.
*Journal of the American Association of
University Women.
Lehrproben und Lehrgänge.
National Education Association, Publica-
tions.
National Society for the Study of Educa-
tion Yearbook.
Normal Instructor.
Pädagogische Studien.

Pedagogical Seminary.
Revue International de l'Enseignement
Supérieur.
Revue Universitaire.
School and Society.
School Journal.
School Review.
School Science and Mathematics.
Supplementary Education Monographs.
Teachers' College Contributions to Educa-
tion.
Teachers' College Record.
*U. S. Bureau of Education, Bulletin.
*University of California Publications,
Education.
Zeitschrift für pädagogische Psychologie.

History.

American Historical Association, Reports.
American Historical Review.
Current History.
English Historical Review.
Historical Manuscripts Commission, Re-
ports.
Historische Vierteljahrschrift.
Historische Zeitschrift.
History.
*Illinois State Historical Society Journal.

Jahresberichte der Geschichtswissenschaft.
Klio, Beiträge zur alten Geschichte.
Révolution française.
Revue des Études Napoléoniennes.
†Revue des Questions historiques.
Revue historique.
Round Table.
Royal Historical Society, Transactions.
Selden Society, Publications.

* Presented by the Publishers.

† Suspended publication.

Philology and Literature, Classical.

†Bulletin bibliographique et pédagogique
du Musée Belge.
Classical Journal.
Classical Philology.
Classical Quarterly.
Classical Review.
Classical Weekly.
Commentationes philologicae jenenses.
Dissertationes philologicae halenses.
Glotta.
Harvard Studies in Classical Philology.
Hermes.
Jahresbericht über die Fortschritte der
klassischen Altertumswissenschaft.
Journal of Roman Studies.

†Le Musée Belge, Revue de Philologie
classique.
Mnemosyne.
Philologische Untersuchungen.
Philologus.
Quellen und Forschungen zur lateinischen
Philologie.
Revue de Philologie.
Revue des Études grecques.
Rheinisches Museum für Philologie.
Rivista di Filologia.
Sokrates.
Studi Italiani di Filologia classica.
†Studi Storici per l'Antichità classica.
Wiener Studien, Zeitschrift für klassische
Philologie.

Philology and Literature, General and Comparative.

American Journal of Philology.
Eranos.
Indogermanische Forschungen.
Journal of English and Germanic Philology.
Journal of Philology.
Neue Jahrbücher für das klassische Altertum,
Geschichte und deutsche Literatur.
Philologica.

Philological Quarterly.
Philological Society, London, Publications.
Philologische Wochenschrift.
Transactions of the American Philological
Association.
Zeitschrift für die österreichischen Gymnasien.
Zeitschrift für vergleichende Sprachforschung.

Philology and Literature, Modern.

Anglia.
Anglistische Forschungen.
†Annales Romantiques.
Archiv für das Studium der neueren
Sprachen.
Archivio Glottologico Italiano.
Arkiv for Nordisk Filologi.
Beiblatt zur Anglia.
Beiträge zur Geschichte der deutschen
Sprache und Literatur.
Bibliographical Society of America, Publications.
Bibliographical Society of London, Transactions.
Bonner Studien zur englischen Philologie.
British Society of Franciscan Studies.
Bulletin hispanique.
Bulletino della Società Dantesca Italiana.
Chaucer Society Publications (both series).
Deutsche Literaturzeitung.
Deutsche Texte des Mittelalters.
Dialect Notes.
Early English Text Society, Publications
(both series).
English Leadet.

English Journal.
Englische Studien.
Euphorion.
Forschungen zur neueren literaturgeschichte.
Germanisch-romanische Monatsschrift.
Giornale Dantesco.
Giornale Storico della Letteratura italiana.
Goethe Jahrbuch.
Henry Bradshaw Society, Publications.
Hispania.
Jahrbuch der Deutschen Shakespeare
Gesellschaft.
Jahrbuch des Vereins für niederdeutsche
Sprachforschung.
Jahresbericht über die Erscheinungen auf
dem Gebiete der germanischen Philologie.
Kieler Studien zur englischen Philologie.
Korrespondenzblatt des Vereins für niederdeutsche
Sprachforschung.
†Kritischer Jahresbericht über die Fortschritte
der romanischen Philologie.
Literarische Echo.
Literarisches Centralblatt.

Literaturblatt für germanische und romanische Philologie.
 Malone Society, Publications.
 Materialien zur Kunde des älteren englischen Dramas.
 Modern Language Journal.
 Modern Language Notes.
 Modern Language Review.
 Modern Languages.
 Modern Philology.
 Münchener Beiträge zur romanischen und englischen Philologie.
 Notes and Queries.
 Palaestra.
 Poet-lore.
 Praeger deutsche Studien.
 Publications of the Modern Language Association.
 Quellen und Forschungen zur Sprach- und Kulturgeschichte der germanischen Völker.
 Rassegna Bibliografica.
 Revista de Filología Española.
 Revue Celtique.
 Revue d'Histoire Littéraire de la France.
 Revue Germanique.

Revue de Littérature Comparée.
 Revue Hebdomadaire.
 Revue Hispanique.
 Romania.
 Romanic Review.
 Romanische Forschungen.
 Scottish Text Society, Publications.
 Société des Anciens Textes Français, Publications.
 Société des Textes Français Modernes, Publications.
 Studien zur englischen Philologie.
 Studies in Philology.
 Wiener Beiträge zur englischen Philologie.
 Yale Studies in English.
 Zeitschrift des allgemeinen Deutschen Sprachvereins.
 Zeitschrift für den deutschen Unterricht.
 Zeitschrift für deutsche Philologie.
 Zeitschrift für deutsches Altertum und deutsche Literatur.
 Zeitschrift für deutsche Wortforschung.
 Zeitschrift für französische Sprache und Literatur.
 Zeitschrift für romanische Philologie.

Philology and Literature, Semitic.

American Journal of Semitic Languages and Literatures.
 Jewish Quarterly Review.
 Journal of the Royal Asiatic Society.
 Journal of the Society of Oriental Research.

†Recueil de Travaux relatifs à la Philologie et à l'Archéologie égyptiennes et assyriennes.
 Zeitschrift für ägyptische Sprache und Altertumskunde.
 Zeitschrift für Assyriologie.

Philosophy and Psychology.

American Journal of Ophthalmology.
 American Journal of Physiological Optics.
 American Journal of Psychology.
 Année psychologique.
 Archiv für die gesammte Psychologie.
 Archiv für Geschichte der Philosophie.
 Archiv für systematische Philosophie.
 Archives de Psychologie.
 Archives of Psychology.
 Behavior Monographs.
 British Journal of Psychology.
 British Journal of Psychology: Monograph Supplements.
 Bulletin de l'Institut Psychologique.
 Fortschritte der Psychologie.
 Hibbert Journal.
 International Journal of Ethics.
 Journal de Psychologie.
 Journal für Psychologie und Neurologie.
 Journal of Abnormal and Social Psychology.

Journal of Applied Psychology.
 Journal of Comparative Psychology.
 Journal of Experimental Psychology.
 Journal of Philosophy.
 Mind.
 Monist.
 Philosophical Review.
 Proceedings of the Aristotelian Society.
 Proceedings of the Society for Psychical Research.
 Psychological Bulletin.
 Psychological Clinic.
 Psychological Review.
 Psychological Review; Monograph Supplements.
 Psychological Review; Psychological Index.
 Psychologische Studien.
 Revue de Métaphysique.
 Revue philosophique.
 Training School Bulletin, Vineland.

*University of Toronto Studies, Psychology Series.
 Vierteljahrschrift für wissenschaftliche Philosophie u. Soziologie.
 Zeitschrift für angewandte Psychologie.

Zeitschrift für Psychologie und Physiologie der Sinnesorgane: 1. Abt., Zeitschrift für Psychologie. 2. Abt., Zeitschrift für Sinnesphysiologie.

Religion.

American Friend.
 Anglican Theological Review.
 †*Christian Register.
 Expositor.
 Expository Times.
 Harvard Theological Review.
 Journal of Biblical Literature.
 Journal of Religion.

Journal of Theological Studies.
 *Publications of the American Jewish Historical Society.
 Religious Education.
 Revue biblique.
 *Spirit of Missions.
 *Woman's Missionary Friend.

Science, General.

American Journal of Science.
 Atti della Reale Accademia delle Scienze di Torino.
 British Association for the Advancement of Science, Reports.
 *Bulletin of the University of Wisconsin, Science Series.
 Comptes Rendus des Séances de l'Académie des Sciences.
 International Catalogue of Scientific Literature.
 *Kansas University, Science Bulletin. Nature.
 *New York State Museum Bulletin. Philosophical Magazine.

Philosophical Transactions of the Royal Society of London.
 Proceedings of the American Philosophical Society.
 Proceedings of the National Academy of Sciences.
 Royal Society of London Proceedings, series A and B.
 Science.
 Scientific American.
 Scientific Monthly.
 *U. S. National Museum, Publications.
 *University of Missouri Studies, Science Series.

Science, Biology.

American Anthropological Association, Memoirs.
 American Anthropologist.
 American Journal of Anatomy.
 American Journal of Physiology.
 American Naturalist.
 Anatomischer Anzeiger.
 Archiv für Anatomie und Physiologie.
 Archiv für die gesammte Physiologie.
 Archiv für Entwicklungsmechanik der Organismen.
 Archiv für mikroskopische Anatomie.
 Bibliographia physiologica.
 Biochemical Journal.
 Biologisches Centralblatt.
 Biometrika.
 Botanisches Centralblatt.
 Centralblatt für Physiologie.
 Endocrinology.
 Eugenics Laboratory Memoirs.
 Genetics.

*Illinois Biological Monographs.
 Jahrbücher für wissenschaftliche Botanik.
 Journal de Physiologie.
 Journal of Biological Chemistry.
 Journal of Experimental Medicine.
 Journal of Experimental Zoology.
 Journal of General Physiology.
 Journal of Genetics.
 Journal of Morphology.
 Journal of Physiology.
 Journal of the Royal Microscopical Society.
 *Midland Naturalist.
 Physiological Abstracts.
 Physiological Review.
 Quarterly Journal of Microscopical Science.
 Stazione Zoologica di Napoli, Pubblicazioni.
 *U. S. Public Health Service, Publications.

* Presented by the Publishers.

† Suspended publication.

- *University of California Publications,
Physiology.
*University of California Publications,
Zoology.
*University of Pennsylvania, Contribu-
tions from the Zoological Laboratories.

- *University of Toronto Studies, Biological
Series.
*University of Toronto Studies, Physio-
logical Series.
*Wilson Bulletin.
Zeitschrift für wissenschaftliche Zoologie.
Zoologischer Anzeiger.

Science, Geology, and Geography.

- Centralblatt für Mineralogie.
Economic Geology.
Geographical Journal.
Geological Magazine.
Geologisches Centralblatt.
*Georgia Geological Survey Bulletin.
*Illinois Geological Survey Bulletin.
Journal of Geography.
Journal of Geology.
Meteorologische Zeitschrift.
Mineralogical Magazine.
Mineralogische und petrographische Mit-
theilungen.

- National Geographic Magazine.
Neues Jahrbuch für Mineralogie, Geologie
und Paläontologie.
Pan-American Geologist.
Philadelphia Geographical Society Bul-
letin.
Quarterly Journal of the Geological
Society.
Revue de Geologie.
*U. S. Monthly Weather Review.
*University of Toronto Studies, Geological
Series.

Mathematics, Chemistry, and Physics.

- Acta Mathematica.
American Journal of Mathematics.
Annalen der Chemie.
Annalen der Physik.
Annales de Chimie.
Annales de Physique.
Annales scientifiques de l'Ecole Normale
Supérieure.
Annali di Matematica.
Annals of Mathematics.
Astrophysical Journal.
Berichte der deutschen chemischen Gesell-
schaft.
†Bibliotheca Mathematica.
Bolletino di Bibliografia e Storia delle
Scienze Matematiche.
Bulletin de la Société Chimique de France.
Bulletin de la Société Mathématique.
Bulletin des Sciences mathématiques.
Bulletin of the American Mathematical
Society.
Cambridge Tracts in Mathematics.
Chemisches Zentralblatt.
Giornale di Matematiche.
Helvetica Chimica Acta.
Jahrbuch der Chemie.
Jahrbuch über die Fortschritte der
Mathematik.
Jahresbericht der deutschen Mathematiker
Vereinigung.
Journal de Chimie physique.

- Journal de Mathématiques.
Journal de Physique.
Journal für die reine und angewandte
Mathematik.
Journal für praktische Chemie.
Journal of the American Chemical So-
ciety.
Journal of the London Chemical Society.
Journal of Physical Chemistry.
Kolloidzeitschrift.
Mathematische Annalen.
Mathematische Zeitschrift.
Messenger of Mathematics.
Monatshefte für Chemie.
Physical Review.
Physikalische Zeitschrift.
Proceedings of the London Mathematical
Society.
Quarterly Journal of Mathematics.
Rendiconti del Circolo Matematico di
Palermo.
Science Abstracts.
Transactions of the American Mathe-
matical Society.
U. S. Bureau of Standards Bulletin.
Zeitschrift für anorganische Chemie.
Zeitschrift für Elektrochemie.
Zeitschrift für Mathematik und Physik.
Zeitschrift für physikalische Chemie.

* Presented by the Publishers.

† Suspended publication.

The library is open daily from eight A. M. to ten P. M. Books may be taken out by the students unless specially reserved for library reference use.

There are in Philadelphia the following important libraries which are available for students:

The *Library Company of Philadelphia*, which contains about 275,000 volumes, divided between the Locust Street Building and the Ridgway Branch. Its valuable collection of pamphlets is included in the number of volumes as given above. The Library is open from nine A. M. to five-thirty P. M., and is open to students for consultation freely during these hours. To take books from the building a deposit must be made or subscriptions will be received as follows: Twelve dollars for one year, six dollars for six months, four dollars for three months.

The *Mercantile Library*, which contains about 215,000 volumes. Private subscription, \$6.00 a year for two separate works at a time.

The *Library of the Academy of Natural Sciences*, which contains about 85,000 volumes. The Council of the Academy has generously conceded the use of its library and of its museum to the students of Bryn Mawr College.

The *Library of the University of Pennsylvania*, which contains about 550,000 volumes and 50,000 pamphlets. The custodians of this library have always shown great courtesy in placing rare volumes at the disposal of the College.

The *Free Library of Philadelphia*, which contains over 600,000 volumes and 370,000 pamphlets, and is at all times open to the students for consultation.

The *American Philosophical Society Library*, which contains about 70,000 volumes, admission by card.

The *Historical Society of Pennsylvania Library*, which contains over 150,000 bound volumes, and 250,000 pamphlets, is for reference only. The collection of manuscripts is one of the best in the country comprising 7,000 volumes. Every courtesy is extended to members of the college.

ADMISSION OF UNDERGRADUATE STUDENTS

All candidates for admission to the entering class of Bryn Mawr must present themselves for examination in certain subjects named by the college.* They must further make formal application for admission. For this purpose the necessary forms should be obtained in advance from the Secretary and Registrar of the College. The forms, consisting of a questionnaire concerning the candidate, a health certificate to be signed by the candidate's physician, and an agreement in regard to the payment of fees and the observance of the college regulations, will be ready for distribution any time after February the first of the year in which the candidate desires to enter college, and they must be returned to the Secretary and Registrar, fully filled out, by April the fifteenth, the date by which application for the final division of examinations must be made. Candidates who intend to present themselves for a final division of examinations with the College Entrance Examination Board must also file all forms of application for admission with the Secretary and Registrar by April the fifteenth. Application for rooms may be made at any time and should, when possible, be made as soon as a candidate knows definitely the year in which she will be prepared to enter college. A complete list of the vacant rooms in the halls of residence will be sent as soon as possible after July the fifteenth to those who have been admitted and they will be permitted to choose rooms in order of application.

Candidates who have received certificates of examination and have applied for admission to the college will, if approved by the Committee on Entrance Examination, be notified by the Secretary and Registrar, in June, if they have offered the Bryn Mawr examinations, or in July if they have offered the examinations of the College Entrance Examination Board, that they are admitted.

It is the policy of the college in admitting students to give the preference to candidates of the highest promise and therefore to weigh as carefully as possible the examination grades and also evidences of the character, health, and general ability

* If there is sufficient room in the college classrooms and halls of residence after the freshman class entering on examination has been provided for, students may be admitted on honourable dismissal from other colleges or universities or as "Hearers" (see pages 173 to 174). No special students are admitted to the college.

of the candidate. No one will be admitted who is conditioned in a matriculation subject.

Examination for Matriculation. Candidates for admission to the college must offer or take examinations equivalent to fifteen points in not more than two divisions. The examinations offered may be those set by Bryn Mawr College or by the College Entrance Examination Board* according to the preference of schools and candidates.

Bryn Mawr Examination for Matriculation.

<i>Tabular Statement of Subjects Required in Examination for Matriculation.</i>	<i>Subjects.</i>	<i>Points.</i>	<i>Examinations.</i>
	Ancient Language: Latin (Prose Authors and Grammar and Composition, Poets).....	4	2
	or		
	Greek and.....	3 }	2
	Latin†.....	1 }	1
	English.....	3	1
	Mathematics:		
	Algebra.....	1½ }	1
	Geometry.....	1½ }	1
	Physics.....	1	1
	Ancient History, or in special circumstances		
	American History†.....	1	1
	Second Foreign Language:§		
	French or		
	German or		
	Greek.....	3	1
		15	8 or 9

A "division" consists of one or more examinations offered by a candidate at a single examination period. The examinations may be offered in two divisions, separated by not more than one calendar year, or in one division only. A final division may not be offered in the autumn for admission to the college in that year unless the entire fifteen points are then offered for the first time. Any examinations offered with the College Entrance Examination Board must be counted as a complete and separate division. It is not permitted to combine Bryn

* For information about College Entrance Examination Board examinations see pages 172 to 173.

† For a description of this examination see page 169.

‡ An examination in American History may be substituted for one in Ancient History under certain conditions. See page 170.

§ If Greek and Latin are chosen under the heading "Ancient Language", French or German must be offered. Attention is called to the advantage of offering Greek or German as an extra subject for advanced standing. See page 168.

|| If Greek is offered, two examinations will be necessary, Prose Authors and Grammar and Composition, and Poets.

Mawr and Board examinations and count them together as one division only. Conditions incurred in a first division of examinations may be passed off only together with a subsequent division until the certificate of examination has been obtained; after the certificate is obtained conditions may be passed off in any matriculation examination period before entering college.

There is no restriction as to the subjects or the number of points that may be credited in any division of examinations, nor as to the number of times an entire division may be repeated. It is, however, undesirable for candidates to take examinations for which they are not well prepared; failure is discouraging and the Committee on Entrance Examination in selecting candidates for admission to the college is unfavourably influenced by failures.

Certificates of examination stating that candidates have passed the examination for matriculation and are in this respect qualified for admission to Bryn Mawr College will be issued to those candidates only who have been examined in *all* of the subjects required for matriculation and have shown by their examination that *all* of the subjects required for matriculation have been studied for a reasonable length of time. No certificate will be given unless the candidate has received the grade of "passed" or over in at least twelve of the required fifteen points. Candidates who have cancelled any division of the examination for matriculation must be examined again in all of the points of the cancelled division. Neglect to comply with this rule will prevent candidates from receiving certificates of examination. Candidates who have passed the examination for matriculation may apply for entrance to the college in any subsequent year; there is no time limit.

Certificates of Examination.

Candidates holding Certificates of Examination may remove conditions at any time before entering the college by passing the corresponding examinations in any of the regular periods at which the examination for matriculation is given. A fee of five dollars must be paid for each condition examination.

Removal of Conditions.

The examination is held at Bryn Mawr College in the spring and autumn of every year and is also held in the spring of every year in Baltimore, Boston, Chicago, New York, Pittsburgh, Portland (Oregon), Richmond, St. Louis, and London

Time and Place of Examination for Matriculation.

(England) and may be held by the college at other places in the spring but not in the autumn or winter. A fee of ten dollars for the whole or any part of the examination must be paid by each candidate taking the examination at any of these regular examination centres.

The examination for matriculation may be held in the spring at yet other places by special request for the benefit of certain schools or groups of candidates who are willing to meet the whole expense of the conduct of the examination by the college. The fee per candidate at such centres may be more but will not be less than ten dollars for the whole or any part of such examination.*

The complete time schedule of the matriculation examination is printed on pages 222-225.

***Applica-
tion to take
Examina-
tion for
Matricu-
lation.***

Candidates who intend to take the spring examination at Bryn Mawr College or elsewhere are required to apply for this examination to the Secretary and Registrar of the College on or before April the fifteenth on a prescribed form obtained in advance, and to send with their application a fee of ten dollars which cannot be refunded if the candidate withdraws or wishes to be transferred to another centre. Candidates who apply for examination after April the fifteenth will be charged an additional fee of ten dollars, or twenty dollars in all.†

* In recent years examinations have been held by request at the following places: Alabama: Gadsden; California: Bonita, Los Angeles, Piedmont, Redlands, Ross, San Francisco, San Raphael, Santa Barbara; Colorado: Denver; Connecticut: Greenwich, Hartford, Simsbury, Washington, Waterbury; Delaware: Wilmington; Georgia: Athens; Illinois: Springfield; Indiana: Fort Wayne, Indianapolis, Terre Haute; Iowa: Council Bluffs, Davenport, Dubuque, Keokuk; Kansas: Kansas City; Kentucky: Louisville; Louisiana: Shreveport; Maine: Portland; Maryland: Catonsville, Cumberland; Massachusetts: Fall River, Lowell; Michigan: Bay City, Detroit, Grand Rapids, Houghton, Marquette; Minnesota: Faribault, Minneapolis; Missouri: Hannibal, Kansas City; Montana: Helena; Nebraska: Omaha; New Jersey: Lakewood, Plainfield, Princeton, Trenton; New York: Albany, Auburn, Clinton, Cooperstown, Dongan Hills, Garden City, Glens Falls, Gloversville, Lake George, New Rochelle, Port Jervis, Rochester, Rye, Saratoga Springs, Schenectady, Tarrytown; North Carolina: Biltmore; Ohio: Cincinnati, Cleveland, Columbus; Pennsylvania: Altoona, Bellefonte, Bradford, Easton, Greensburg, Harrisburg, Hazelton, Johnstown, Lancaster, Oxford, Scranton, Wilkes-Barre, York; Rhode Island: Providence; South Carolina: Charleston; South Dakota: Yankton; Tennessee: Memphis, Nashville; Texas: Dallas, Galveston, Houston; Utah: Salt Lake City; Vermont: Burlington; Virginia: Charlottesville, Middleburg; Washington: Seattle; West Virginia: Wheeling; Wisconsin: Fond du Lac, Madison, Milwaukee; District of Columbia: Washington. Paris, Berlin, Munich, Lausanne, Tarsus, Constantinople, Peking.

† For regulations governing those candidates who substitute for the Bryn Mawr College Examination for Matriculation the examinations held by the College Entrance Examination Board, see pages 172-173.

Candidates who intend to take the examination for matriculation at Bryn Mawr in the autumn are required to apply for this examination to the Secretary and Registrar on or before September the fifteenth, on a prescribed form obtained in advance and to send with their application a fee of ten dollars. Candidates who apply for examination after September the fifteenth, will be charged an additional fee of ten dollars, or twenty dollars in all.

Four competitive matriculation scholarships, of the value of \$100 each, are awarded annually to candidates receiving their final matriculation certificates in the spring matriculation examinations of Bryn Mawr College. See page 193.

Matriculation Scholarships.

Examinations for Advanced Standing.

Candidates who wish to enter the college with advanced standing may offer the following subjects in addition to the fifteen points required for the Certificate of Examination: the Minor Course in Latin, Section A and Section B, counting as three and two hours a week throughout one year;* matriculation Greek, or French or German provided this was not included in the fifteen points required for matriculation), counting as five hours a week throughout one year; Trigonometry, counting as two hours a week throughout one semester; Solid Geometry, counting as two hours throughout one semester.

Examinations for Advanced Standing.

* The minor course in Latin may be offered for examination by candidates for matriculation that desire to enter the college with advanced standing, and, at their discretion, by matriculated students without attendance on the college classes, provided it is offered before the close of the matriculation examinations at the beginning of the student's junior year. The minor course is considered for this purpose as comprising two sections. No substitutions are allowed for any part of the following requirements, except in the case of students entering with advanced standing from other colleges:

A. Cicero, *Selected Letters*, 1, 2, 3, 5, 6, 7, 8, 10, 11, 16, 17, 19, 20, 21, 22, 23, 24, 25, 30, 31, 33, 37, 38, 39, 42, 44, 45, 47, 49, 52, 75, 76, 91, 92 (*Letters of Cicero*, edited by F. F. Abbott, Boston, Ginn and Company), Terence, *Phormio*, *Adelphoe* and *Andria* or by special request registered three months before the examination, Livy, *Book xxi*, and Latin Prose Composition, including a detailed knowledge of the more abstruse Latin constructions and some facility in turning simple English narrative into Latin. The examination in Livy and Composition, is given only when the candidate furnishes proof that she was unable to secure preparation in Terence.

B. Horace, *Odes*, except i, 25, 27, 33, 36; ii, 5; iii, 6, 15, 20; iv, 1, 10, 13; *Epodes* except 3, 5, 8, 11, 12, 15, 17; *Carmen Saeculare*: *Satires* i, 1, 5, 6, 9; ii, 6; *Epistles*, i, 1, 5, 6, 7, 8, 10, 14, 20.

There are two examinations, one in Section A and one in Section B, each three hours in length. These examinations may be taken in different years, and in the order preferred by the candidate; or one section may be studied in the corresponding college class, and the other offered for examination without attending the class. Examinations in Minor Latin are held only at the time of the regular matriculation examinations at the beginning and end of the college year, and in February.

Students who have passed examinations for advanced standing are credited with the equivalent number of hours of college courses and are enabled to enter at once more advanced courses to which these are preliminary; they thus secure a larger choice of elective courses or may if necessary, with the consent of the Dean of the College, attend some time in their course less than the regular fifteen hours a week of lectures. Students may also secure credit for elective courses in Modern Languages by passing certain examinations in French, German, Italian and Spanish which may be taken only in the first three weeks after entering the college.* In no case, however, is it possible by passing examinations for advanced standing to shorten the time of obtaining the bachelor's degree which represents in every case four years of study in collegiate classes.

**Definition and Description of Subjects of Examination
for Matriculation.**

Mathematics. **Mathematics.**—Algebra. (Counting as one and a half points.) Plane Geometry. (Counting as one and a half points.)

The examination in Algebra comprises Elementary Operations, Quadratic Equations, Theory of Indices, Problems, Ratio, Proportion, Variation, Arithmetical and Geometrical Progressions, the Binomial Theorem for Positive Integral Exponents.

While there is no formal examination in Arithmetic, an adequate knowledge of the subject is required throughout the mathematical examinations; in *all* the papers there are some numerical problems, and the correct solution of a fair number of these is regarded as essential. Special attention is drawn to this as regards the paper in Geometry. So many good text-books are available in both Algebra and Plane Geometry that no special books are recommended. The following are mentioned simply as an indication of the preparation required for these examinations: C. Smith's *Elementary Algebra* (American edition, revised by Irving Stringham), Young and Jackson's *Elementary Algebra*, Hall and Knight's *Algebra*; Phillips and Fisher's *Elements of Geometry* (abridged edition), Wentworth's *Geometry*.

Latin. **Latin.**—Latin Prose Authors and Grammar and Composition. (Combined paper counting as three points.)

This paper consists of two parts:

i. (Counting as two points.) A passage of Latin to be translated at sight, together with a few grammar questions. The Latin passage is of the same type as the passages set in the Prose Authors paper in previous years, and the grammar questions are based chiefly upon this passage.

ii. (Counting as one point.) A passage of English to be rendered into Latin. This passage is of the same type, but shorter than that set in the present Grammar and Composition paper.

For the combined paper two and a half hours is allowed. For Part i, taken separately, one and a half hours; for Part ii, taken separately, one hour.

* See pages 72, 76, 78, 80.

ERRATUM. Insert on page 168, bottom of page:

Latin Poets.—(Counting as one point.) Translation at sight of simple passages of Latin poetry. Due allowance is made for unusual words, and there are questions testing the candidate's practical knowledge of grammar and prosody.

The Latin read in preparation may be selected from Cæsar (*Gallie War* and *Civil War*), Nepos (*Lives*), Cicero (*Orations*, *Letters*, and *De senectute*), Sallust (*Catiline* and *Jugurtha*), Vergil (*Æneid*, *Bucolics*, and *Georgics*), and Ovid (*Metamorphoses*, *Fasti*, and *Tristia*). The amount to be read should not be less than that contained in Cæsar, *Gallie War*, I–IV, Cicero, *Manilian Law*, *Archias*, and four *Orations against Catiline*, and Vergil, *Æneid*, I–VI. The vocabulary, syntax, and thought of the sight passages will be adapted as closely as possible to the knowledge gained by a careful reading of the required amount of Latin. The paper in Grammar and Composition demands a knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in schools.

Latin (two-year course counting as one point) taken in combination with Greek. This paper resembles the Latin Cp2 set by the College Entrance Examination Board. It assumes the knowledge that may be acquired by a candidate who has studied Latin for two years, has read four books of Caesar's Gallic War (or their equivalent), and has had practice in elementary composition. The paper consists of an easy sight passage of Caesarian prose together with a few grammar questions, and a few short English sentences to be rendered in Latin. Help will be given for the translation of such unusual words and constructions as may occur in the Latin passage. Time: One and a half hours.

English.—(Counting as three points.) The examination in English is designed to test the candidate's appreciation of literary quality, her knowledge of the progress of English literature from the time of Shakespeare to the present day, and her ability to write English. It contains questions bearing upon each of these matters, but her ability in writing is tested in all parts of the examination.

English.

Preparation should include an intelligent reading, not a detailed study, of certain masterpieces, though it is hoped that the candidate will commit to memory some of the best passages of prose and poetry. As an aid in gaining literary perspective and appreciation, she should be familiar with the important events in the lives of the authors whose works she reads and with the general character of the literary periods to which they belong. A list of books from the study of which this knowledge may be gained is printed below, but a candidate who has completed satisfactorily the preparation for the equivalent examination of the College Entrance Examination Board is not thereby necessarily debarred from taking the Bryn Mawr examination, though the Bryn Mawr examination is based upon the appended list and not upon the lists published by the Board.

Training in writing should include the making and use of simple plans, or "topical outlines," and of good paragraphs and grammatical and coherent sentences. In the terms of rhetoric, exposition, description, narration, and, if desired, simple criticism may be studied. A paper deficient in sentence structure, grammar, or punctuation cannot be regarded as satisfactory. Candidates who are not ready to take the examination should not be encouraged to attempt it.

The Department of English will be glad to consider comments and suggestions relative to the examination from schools. Such communications should be sent to the Secretary and Registrar of the College.

The examination is based upon the following list of books, which is adapted from the requirements recommended by the National Conference on Uniform Entrance Requirements in English, 1923-25. The numbers in parentheses refer to sections of the lists of the Conference.

A. All selections in this group to be read, due regard being paid to the alternatives offered among Shakespeare's plays: Shakespeare, three plays, 1 comedy, 1 history, 1 tragedy: *A Midsummer Night's Dream*, *The Merchant of Venice*, *As You Like It*; *Richard II*, *Henry V*, *Richard III*; *Macbeth*, *Hamlet*, *Julius Cæsar* (1. ii; 2. i). Addison and Steele, *Sir Roger De Coverley Papers* (1. iv). *The Golden Treasury*, First Series, Book IV, with special attention to Wordsworth, Keats, and Shelley (1. iii).

B. Two selections to be read from each of the following four groups: 1. Milton, *L'Allegro*, and *Il Penseroso*, and either *Comus* or *Lycidas* (2. ii). A collection of contemporary verse, of recognized literary merit, or a selection from the work of such contemporary poets as John Masefield, Walter de la Mare, Josephine Preston Peabody, or William Vaughan Moody, about 150 pages (1. v). *The Golden Treasury*, First Series, Books I and II. Pope, *The Rape of the Lock*. Scott, *The Lady of the Lake* (1. iii) or *Marmion*.

2. The English Bible (King James Version), The Old Testament: the chief narrative episodes in Genesis, Exodus, Joshua, Judges, Samuel, Kings, and Daniel, together with the books of Ruth and Esther (1. iv). Browning, *Cavalier Tunes*, *The Lost Leader*, *How They Brought the Good News from Ghent to Aix*, *Home Thoughts from Abroad*, *Home Thoughts from the Sea*, *An Incident of the French Camp*, *Heré Riel*, *Pheidippides*, *My Last Duchess*, *Up at a Villa—Down in the City*, *The Italian in England*, *The Patriot*, *The Pied Piper*, "De Gustibus—", *Instans Tyrannus*, *One Word More* (2. ii). Tennyson, *Idylls of the King* any four (1. iii) or *The Princess*. Coleridge, *The Ancient Mariner*, and Arnold, *Sohrab and Rustum* (1. iii).

3. Macaulay, *Lord Clive* (1. iv) or *Johnson* (2. iii) or Milton. Carlyle, *Essay on Burns* (2. iii). Arnold, *Wordsworth* (2. iii). Stevenson, *Virginibus Puerisque*, or *Travels with a Donkey*. Lamb, *Essays of Elia*.

4. Scott, one novel (1. i). Jane Austen, one novel (1. i). Dickens, one novel (1. i). George Eliot, one novel (1. i). Thackeray, one novel. Stevenson, *Treasure Island* or *Kidnapped* (1. i) or *The Master of Ballantrae*. Hawthorne, *The House of the Seven Gables* (1. i).

C. One selection to be read from each of the following two groups: 1. Burke, *Speech on Conciliation with America* (2. iv). Parkman, *The Oregon Trail* (1. iv). Franklin, *Autobiography* (1. iv).

2. One of the following selections, of recognized literary merit: A collection of short stories, or a selection of short stories by one author, about 150 pages (1. iv). A modern novel (1. v). Two modern plays, of three or more acts (1. v).

History. **History.**—The outlines of Ancient History. (Counting as one point.)

For entrance to Bryn Mawr College the study of Ancient History is required and the college recommends that candidates take the matriculation examination in it; but candidates who have satisfactorily completed an adequate course in Ancient History followed by one in American History may take the matriculation examination in American History instead of that in Ancient History. It is expected that the course in Ancient History taken in one of the last four years before entrance extend throughout five periods per week, for a year and be based on a standard text, additional reading and map work.

In Ancient History the period covered extends from the rise of Egypt and Babylonia to the coronation of Charlemagne in 800 A. D. More attention is given to the history of Greece and Rome, less to the history of the oriental empires and to the time following the Germanic invasions. Knowledge of the geographical setting of events is tested by questions referring to an outline map furnished in the examination. It is assumed that more instruction has been given in narrative than in constitutional history. Questions are asked about the social life of the ancient world as well as about the general development of its thought and art. Standard texts, such as Breasted's *Ancient Times*, Westermann's *Story of the Ancient Nations*, Goodspeed-Ferguson's *History of the Ancient World*, Webster's *Ancient History*, Botsford's *History of the Ancient World*, and West's *Ancient History* (revised) should serve as a suitable basis for instruction. Supplementary reading on selected topics and the writing of papers relating to this reading are desirable exercises. Teachers will find useful such interpretations as Zimmern's *Greek Commonwealth*, Ferguson's *Greek Imperialism*, Dickinson's *Greek View of Life*, Fowler's *Social Life at Rome in the Age of Cicero*, Frank's *Roman Imperialism*, and Dill's *Roman Society from Nero to Marcus Aurelius*.

American History.—The outlines of the History of the United States. (Counting as one point.)

McLaughlin's *History of the American Nation*, Adams and Trent's *History of the United States*, or Muzzey's *History of the United States*, indicate the basis of the preparation required in the History of the United States.

Physics.—Physics should be studied in one or both of the last two years of preparation for college, the equivalent of at least one year being devoted to the subject with five periods weekly of at least forty minutes each for recitations and demonstrations. Two additional periods of laboratory work should be required and regarded as part of the outside preparation. A brief statement of the laboratory work of each candidate should be prepared by the teacher or tutor and submitted at the time of the examination. It should include an estimate of the quality as well as of the amount of work done by the candidate. A specimen examination paper, to be obtained from the Secretary and Registrar of the College, may be taken as fairly typical of the papers that will be set.

Physics.

The examination is planned to be a test of the student's understanding of fundamental principles as presented in any modern elementary text-book of Physics. A minute knowledge of the subject is not demanded and all the topics usually treated in an elementary book need not be studied with equal thoroughness. For example, levers should be studied carefully but their classification need not be memorized; some knowledge of the Daniell cell should be obtained but details of other cells may be omitted; detailed descriptions of engines, dynamos, and motors should be used only as illustrating principles; alternating currents may be studied only in a general way. Further, in order that there may be sufficient time to be used in studying other parts of the subject, the examination will not for the present include questions on Sound.

A knowledge of decimals and of elementary algebra is assumed in the examination. Nevertheless, in assigning problems teachers are advised to keep in mind that the object of such work is to illustrate principles rather than to give practice in calculation.

No particular text-books are prescribed, but among books that may be used are Millikan and Gale's *A First Course in Physics and Laboratory Manual*, Black and Davis's *Practical Physics*, N. Henry Black's *A Laboratory Manual in Physics*. For supplementary reading *Physics of the Household*, by C. J. Lynde, will be found helpful.

One of the following languages:

French.—(Counting as three points.) This examination is a test of the candidate's power to read at sight ordinary French prose and verse and to write simple French. It comprises

French.

(a) Passages for translation in prose and verse, accompanied by questions in grammar and syntax based on the texts.

(b) A passage of simple English to be put into French.

(c) A short theme to be written in French.

Candidates who intend to continue the study of French in the college should be prepared to understand lectures delivered in French.

German.—(Counting as three points.) This examination is a test of the candidate's power to read at sight ordinary German prose and verse and to write simple German. It comprises:

German.

(a) Passages for translation in prose and verse, accompanied by questions in grammar and syntax based on the texts.

- (b) A passage of simple English to be put into German.
- (c) A short theme to be written in German.

Candidates who intend to continue the study of German in the college should be prepared to understand lectures delivered in German.

Greek.

Greek.—The examination consists of two parts, which may be taken separately:

- i. Translation at sight of a passage from a Greek prose author (Xenophon, *Anabasis*, *Hellenica* or similar type of prose), with grammar questions on forms and syntax, and a translation into Greek of a simple passage of English prose involving words and constructions such as occur in the first four books of Xenophon's *Anabasis*. Time, two hours.
- ii. Translation at sight of a passage of average difficulty from Homer, due allowance being made for unusual words, with questions testing the candidate's practical knowledge of grammar and prosody. Time, one hour.

White's *First Greek Book* will serve to indicate the preparation required in prose composition.

Examination of the College Entrance Examination Board.

The Examinations of the College Entrance Examination Board which are designated below as equivalent to the matriculation examinations of the college are accepted for admission to the college, subject to the same conditions which govern the Bryn Mawr College examinations.

The passing mark for both sets of examinations is the same, sixty per cent.

Comprehensive examinations are accepted in all subjects except mathematics in place of the ordinary examinations, but the New Plan of Admission, which combines a certificate and an examination system, is not accepted by Bryn Mawr College.

Candidates intending to take the College Entrance Examination Board's examinations should make application to the Secretary of the College Entrance Examination Board, 431 West 117th Street, New York City, for the necessary forms, and should forward promptly to the Secretary and Registrar of Bryn Mawr College their school recommendation for the examination, and later the report of the results of the examination.

TABLE OF EXAMINATIONS OF THE COLLEGE ENTRANCE EXAMINATION BOARD EQUIVALENT TO THE BRYN MAWR COLLEGE EXAMINATION FOR MATRICULATION.

COLLEGE ENTRANCE EXAMINATION BOARD EXAMINATION.		BRYN MAWR COLLEGE EXAMINATION.	
<i>Subjects.</i>		<i>Subjects.</i>	<i>Points.</i>
Mathematics: Algebra, A.....	=	Algebra.....	1½
Mathematics: C.....	=	Plane Geometry.....	1½
Latin: 1 and 6, taken together.....	=	Latin Grammar and Prose Composition	1
Latin: P.....	=	Latin Prose Authors.....	2
Latin: Q.....	=	Latin Poetry.....	1
Latin: Cp. 4.....	=	{ Latin Grammar and Composition... 1 Latin Prose Authors..... 2 Latin Poets..... 1	
Latin: Cp. 2 (to be offered with Greek Cp. 3 as ancient language option).....	=		1
Greek: Cp. 3 (Parts I and II may be offered in different years)	=	{ Greek Grammar and Composition } 2 Greek Prose Authors..... } Greek Poets..... 1	
English: 1-2 or			
English: Cp.....	=	English Literature and Composition..	3
French: Cp. 4.....	=	French Grammar and Composition and Translation.....	3
German: Cp. 4.....	=	German Grammar and Composition and Translation.....	3
History: A.....	=	Ancient History.....	1
History: E.....	=	American History.....	1
Physics.....	=	Physics.....	1
<i>Examinations for Advanced Standing.</i>			
Mathematics: D.....	=	Solid Geometry.	
Mathematics: E.....	=	Trigonometry.	
No Equivalent.....	=	Minor Latin.	

Admission on Honourable Dismissal from Colleges or Universities and as Hearers.

Candidates who wish to be admitted to Bryn Mawr College on honourable dismissal from a college or university the graduates of which are eligible for membership in the American Association of University Women are not required to pass the Bryn Mawr College examination for matriculation, provided they can present the required number of entrance credits.

They must present a certificate of honourable dismissal, together with an official statement that they have studied in regular college classes for one college year exclusive of the summer vacation and have passed examinations covering at least one year of academic work in one of the regular college courses leading to the bachelor's degree of liberal arts, and are in good standing in said college, and able to take their degree there in due course. In addition to this year of college work such students must present credits fully equivalent

*Honour-
able
Dismissal*

to the Bryn Mawr College examination for matriculation. Students desiring to be credited with courses taken at other colleges must offer these courses for examination at Bryn Mawr College.

Students who have failed to satisfy the requirements at other colleges, who have outstanding conditions, or have otherwise failed to meet prescribed college standards of academic work or conduct, or who have been put on probation, suspended, or excluded will under no circumstances be admitted to Bryn Mawr College. Such students will not be permitted to cancel their college work elsewhere, take the Bryn Mawr College examination for matriculation and enter Bryn Mawr as freshmen.

Students presenting certificates of honourable dismissal from all colleges and universities not eligible for membership in the American Association of University Women must take the regular examination for matriculation given by Bryn Mawr College. Such students are not permitted to take the examination for matriculation without informing the Secretary and Registrar of the College, in advance, at the time that they file their application to be examined, that they have studied at another college. Unless this rule is observed they will not receive a certificate of examination.

Admission of Hearers.

Hearers. Women over twenty-five years of age who can furnish satisfactory proof that they have at some time studied the subjects required for admission to Bryn Mawr College may be admitted as "Hearers."

In the admission of students, however, preference will in all cases be given to candidates who have taken the regular examination for matriculation and these in general fill all the available rooms in the halls of residence.

REQUIREMENTS FOR DEGREES.

The Degree of Bachelor of Arts.

Every candidate for the degree of Bachelor of Arts must have passed examinations on work amounting to one hundred and twenty hours* and must have obtained an examination grade above that of "passed," that is, the grade of merit,† or over, on half of these one hundred and twenty hours; she must also possess at the time of graduation a reading knowledge of French and German.‡ She must have attended college classes in Bryn Mawr College for a period of four years;§ she must have fulfilled the requirements of the department of Physical Training.

*Studies
Leading
to the
Degree of
Bachelor
of Arts*

If, at the end of her junior year, or in February of her senior year, a student has received a grade *below* merit in as many as one-half the hours that she has been examined in of the one hundred and twenty hours* required for her degree, she will be required to withdraw from the college; and students who have not obtained merit in as many as one-half of the hours they have been examined in are liable to be asked to withdraw at the end of any semester.

No student who has received a grade below merit in as many as one-half of the hours that she has been examined in of the one hundred and twenty hours required for her degree will be permitted to hold office in any of the organizations of the college, or of the student body, to take part in any entertainment requiring preparation, to undertake any paid work or to compete for, or hold any college scholarship.

The following course of study must be pursued by every candidate for the degree of Bachelor of Arts:

*Required
Studies.*

Elementary Greek or Minor Latin, five hours a week for one year. Those students, however, who offered Greek in the examination for matriculation may substitute for the elementary course in Greek the minor course in

*The word hour here means one hour a week for one semester. In calculating the standing of students under this rule every course offered for examination (including Minor Latin and Matriculation Greek when taken in the examination for matriculation) and also trigonometry, and solid geometry when offered for advanced standing must be counted. A grade once received may not be cancelled. In examinations for advanced standing in modern languages a grade below passed is not entered on the candidate's record.

†Since this merit law went into effect in 1907 no student who has not fulfilled the requirements as above stated has received a degree.

‡For students entering before 1923 a reading knowledge of two of the five languages, Greek, French, German, Italian, and Spanish, may be substituted for a reading knowledge of French and German. If Greek is the language offered for entrance, French or German must be offered for examination at the beginning of the junior year.

§By permission of the Curriculum Committee of the Faculty, obtained in advance, work done at some other college of high standing may in special cases be substituted for one of the four years of required attendance at classes.

Greek or the minor course in Latin.* These courses may not be taken later than the junior year.

English, five hours a week for two years.

Philosophy and Psychology, five hours a week for one year.

Science, five hours a week for one year.

Post-major courses in one or both group subjects, five hours a week for one year; or *Any other subject*, five hours a week for one year.

**Major
Courses.**

Two Major Courses, of five hours a week for two years each, constituting one of the following groups: any Language with any Language;† History with Economics and Politics, or with French, or Italian, or Spanish, or German, or History of Art; Economics and Politics with Philosophy, or with Psychology, or with Geology; Philosophy or Psychology, or Philosophy and Psychology‡ with Greek, or English, or Economics and Politics, or Mathematics, or Physics; Philosophy with Latin or Psychology or Geology; Psychology with Biology; Classical Archæology with Greek or Latin; History of Art with English, or French, or Italian, or Spanish, or German or Philosophy; Mathematics with Greek, or Latin, or Physics, or Chemistry, or Geology, or Biology; any Science with any Science.

**Free Elective
Courses.**

Free Elective Courses, amounting to five hours a week for two years (20 semester hours in all), to be chosen by the student. It should be noted that any minor course may be taken as a free elective without electing the group that includes it, and any courses open as free electives may be chosen without taking the remainder of the minor course of which they may form a part.

**Course in
Hygiene.**

A Course in Hygiene of one hour a week in the second semester of one year to be taken in addition to the regular fifteen hours a week of college courses but not counting in the required one hundred and twenty hours must be attended by all candidates for the degree of Bachelor of Arts.

**Reading
Knowledge of
French and
German.**

A Reading Knowledge of French and German will be required from all students entering in 1923 and thereafter, who will be examined under the following regulations: Students entering in 1920, 1921, and 1922 may choose to be examined under these regulations, or under the regulations stated below.

All students entering in 1923 and thereafter will be required to take

* A student choosing Greek as one of the subjects of her group, and not wishing to study Latin, may substitute for the year of Greek five hours a week for one year of post-major Greek, or a year of French, or Italian, or Spanish, or German.

A student choosing Latin as one of the subjects of her group and not wishing to study Greek may substitute for the year of minor Latin five hours a week for one year of post-major Latin, or a year of French, or Italian, or Spanish, or German.

† For the purpose of forming a group with another language, Italian and Spanish may count as one language; they may be combined so as to form a course of five hours a week for two years.

‡ For the purpose of forming a group, philosophy and psychology may be combined so as to form a course of five hours a week for two years.

examinations in French *and* German at the end of the junior year. Students failing to pass one or both of these examinations must present themselves for re-examination on the first or second Saturday of their senior year. Failure to pass at this time will automatically prevent the student from receiving her degree at the end of her senior year. She will not be allowed to present herself for a third examination before the autumn of the following year, but may present herself for any subsequent examination.

Extra-curriculum courses of three hours a week in French and in German, conducted by regular members of the respective departments, without required examination and without extra payment, will be offered for students in their sophomore year who may take these courses in either French or German, provided the language in question has not been taken in the matriculation examination. The elementary courses of five hours a week in French and German are not intended for students who wish to prepare themselves to pass the examinations in reading these languages.

Reading Knowledge of Two Languages. Students who entered the college in 1920, 1921 or 1922 may choose to be examined under the following regulations: At the beginning of the sophomore, junior and senior years the student is required to take a written examination of one hour in length in the language, Greek,* or French, or German, that she has offered for matriculation. If she fails to pass this examination she is required to attend, and pay for, special classes in the language one or two hours a week throughout the year in question. If she fails to pass this examination at the beginning of her senior year she must take another examination on the Saturday preceding the final examinations of the year in question. Failure to pass will defer her degree until the following year.

*Reading
Knowledge
of two
Languages.*

At the beginning of her junior year the student is required to take a written examination of one hour in length in one of the languages, Greek, or French, or Italian, or Spanish, or German, but the language selected may not be the one offered for matriculation, and students who have offered Greek for matriculation must offer for their junior examination either French or German. If the student fails to pass this examination she is required to attend during her junior year the elementary course in the language in which she has failed, unless she has already taken this course. In this case she must attend a special class in the language two hours a week throughout the year and must pass an examination in it at the beginning of her senior year. The examination must be passed before the degree is conferred.

* Students who have taken any two or three hour course in Greek throughout the year except the major or elective course in Greek literature, and passed the examinations at the end of each semester are exempt from the examination in Greek at the beginning of the following year.

Tabular Statement.

The studies required for a degree may for convenience be tabulated as follows:

Required Courses (Five hours a week for One Year Each).

1 and 2.	3.	4.	5.	6.†
English. [Two Courses.]	Philosophy and Psychology.	Science: Physics, or Chemistry, or Geology, or Biology.	Post-major courses in one or both group subjects or Five hours a week for one year in any other subject.*	Elementary Greek, or Minor Latin (or Minor Greek).

Two Major Courses (Five hours a week for Two Years Each, or twenty semester hours in each subject). Constituting any one of the following seventy-one groups listed here in the order in which the subjects appear in the Calendar.

GREEK with any language.	ITALIAN with any language.
GREEK with Philosophy.	ITALIAN with History.
GREEK with Philosophy and Psychology.	ITALIAN with History of Art.
GREEK with Psychology.	SPANISH with any language.
GREEK with Classical Archæology.	SPANISH with History.
GREEK with Mathematics.	SPANISH with History of Art.
LATIN with any language.	ITALIAN and SPANISH with any language.
LATIN with Philosophy.	GERMAN with any language.
LATIN with Classical Archæology.	GERMAN with History.
LATIN with Mathematics.	GERMAN with History of Art.
ENGLISH with any language.	HISTORY with French, with Italian, with Spanish, with German.
ENGLISH with Philosophy.	HISTORY with Economics and Politics.
ENGLISH with Philosophy and Psychology.	HISTORY with History of Art.
ENGLISH with Psychology.	ECONOMICS AND POLITICS with History.
ENGLISH with History of Art.	ECONOMICS AND POLITICS with Philosophy.
FRENCH with any language.	
FRENCH with History.	
FRENCH with History of Art.	

* Advanced standing credits in modern languages are not accepted as fulfilling this requirement.

† Attendance on these classes is not obligatory before the beginning of the junior year the student being free until then to make good her deficiencies by private study. Students not wishing to study Greek may substitute the college course in minor Latin or the advanced standing examination in minor Latin for the examination in matriculation Greek. Minor Latin may not be offered for examination without attending the college class after the close of the matriculation examinations at the beginning of the junior year. Students selecting Greek or Latin as one of their group subjects are referred to the footnote, page 167.

ECONOMICS AND POLITICS with Philosophy and Psychology.	CLASSICAL ARCHÆOLOGY with Greek.
ECONOMICS AND POLITICS with Psychology.	CLASSICAL ARCHÆOLOGY with Latin.
ECONOMICS AND POLITICS with Geology.	HISTORY OF ART with English, with French, with Italian, with Spanish, with German, with History, with Philosophy.
PHILOSOPHY with Greek, with Latin, with English.	MATHEMATICS with Greek, with Latin, with Philosophy, with Philosophy and Psychology, with Psychology.
PHILOSOPHY with Economics and Politics.	MATHEMATICS with Physics.
PHILOSOPHY with Psychology.	MATHEMATICS with Chemistry.
PHILOSOPHY with History of Art.	MATHEMATICS with Geology.
PHILOSOPHY with Mathematics.	MATHEMATICS with Biology.
PHILOSOPHY with Physics.	PHYSICS with Philosophy, with Philosophy and Psychology, with Psychology.
PHILOSOPHY AND PSYCHOLOGY with Greek, with English.	PHYSICS with Mathematics.
PHILOSOPHY AND PSYCHOLOGY with Economics and Politics.	PHYSICS with any Science.
PHILOSOPHY AND PSYCHOLOGY with Mathematics.	CHEMISTRY with Mathematics.
PHILOSOPHY AND PSYCHOLOGY with Physics.	CHEMISTRY with any Science.
PSYCHOLOGY with Economics and Politics, with Philosophy, with Greek, with English.	GEOLOGY with Economics and Politics, with Philosophy, with Mathematics
PSYCHOLOGY with Mathematics.	GEOLOGY with any Science.
PSYCHOLOGY with Physics.	BIOLOGY with Psychology, with Mathematics.
PSYCHOLOGY with Biology.	BIOLOGY with any Science.

Free Elective Courses.

Ten hours a week for one year (20 semester hours) in any subject, or subjects, the student may elect.

The following may serve as examples of some of the many combinations of studies that may be made by those candidates for a degree who wish to specialise as far as possible in particular departments: Elementary Greek and Minor Latin are bracketed as being subjects that may be included in the examination for matriculation. These bracketed courses may be offered for examination before the beginning of the junior year without attendance on the college classes, but this is not advised on account of their difficulty.

CLASSICS. *As Required Studies*, [Elementary Greek or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or

Biology), another Science, or Modern, or Ancient History, or Post-major Greek or Latin, or Minor Philosophy, or Minor Mathematics. *As a Group*, Greek and Latin. *As Free Electives*, Post-major Greek and Latin, or Classical Archaeology, ten hours a week for one year.

MODERN LANGUAGES (other than English). *As Required Studies*, [Elementary Greek, or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science, or Modern, or Ancient History, or Minor English or Minor Philosophy. *As a Group*, French and Italian, or French and Spanish, or French and Italian and Spanish, or Italian and Spanish, or French and German. *As Free Electives*, Italian and Spanish, or French or German, ten hours a week for one year.

ENGLISH. *As Required Studies*, [Elementary Greek, or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science (or Modern, or Ancient History, or Minor Economics and Politics, or Minor Philosophy). *As a Group*, Greek and English, or Latin and English, or English and French, or English and Italian and Spanish, or English and Spanish, or English and German, or English and Philosophy. *As Free Electives*, Latin or Greek or History or Philosophy, ten hours a week for one year.

MATHEMATICS (with Greek). *As Required Studies*, [Elementary Greek], English, Philosophy, Physics, Post-major Mathematics or Modern or Ancient History, or Minor Latin. *As a Group*, Mathematics and Greek. *As Free Electives*, Post-major Mathematics and Post-major Greek, ten hours a week for one year.

MATHEMATICS (with Physics). *As Required Studies*, [Elementary Greek, or Minor Latin], English, Philosophy, Chemistry, another Science (Geology, or Biology), or Post-major Mathematics. *As a Group*, Mathematics and Physics. *As Free Electives*, Post-major Mathematics and Post-major Physics, ten hours a week for one year.

MODERN HISTORY. *As Required Studies*, [Elementary Greek, or Minor Latin], English, Philosophy, any Science, any Language, or Post-major History, or Economics and Politics or Minor Philosophy, or Mathematics. *As a Group*, Modern History and Economics and Politics. *As Free Electives*, Post-major Modern History and Post-major Economics and Politics, ten hours a week for one year.

PHILOSOPHY (with Greek). *As Required Studies*, [Elementary Greek], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), Minor Latin, or Post-major Greek, or Modern, or Ancient History, or Minor Mathematics. *As a Group*, Greek and Philosophy. *As Free Electives*, Minor English and Minor Psychology, ten hours a week for one year.

PHILOSOPHY (with English). *As Required Studies*, [Elementary Greek, or Minor Latin], English, Philosophy, Science (Physics, or Chemistry,

or Geology, or Biology), any Language, or Modern, or Ancient History, or Minor Economics and Politics. *As a Group*, English and Philosophy. *As Free Electives*, Psychology and English, ten hours a week for one year.

MODERN EUROPEAN HISTORY (with French). *As Required Studies*, [Elementary Greek, or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), Elementary Spanish or Italian, or Minor Economics and Politics, or Minor Philosophy, or Elective Education. *As a Group*, Modern European History and French. *As Free Electives*, Post-major French and Post-major Modern History.

PHILOSOPHY or PSYCHOLOGY (with Economics and Politics, or with Mathematics, or with Physics). *As Required Studies*, [Elementary Greek, or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science (or Modern, or Ancient History). *As a Group*, Philosophy or Psychology with Economics and Politics, or with Mathematics, or with Physics. *As Free Electives*, Post-major Economics and Politics, or Mathematics, or Physics, ten hours a week for one year.

CLASSICAL ARCHÆOLOGY (with Greek). *As Required Studies*, [Elementary Greek], English, Philosophy, Science (Physics, or Chemistry, or Biology, or Geology), any Modern Language or Ancient History, or Minor Philosophy, or Mathematics. *As a Group*, Greek and Classical Archaeology. *As Free Electives*, Elective or Post-major Greek, or Minor Latin, ten hours a week for one year.

SCIENCE. *As Required Studies*, [Elementary Greek, or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science, or Minor Philosophy, or Minor Mathematics. *As a Group*, Physics and Chemistry, or Physics and Geology, or Physics and Biology, or Chemistry and Geology, or Chemistry and Biology, or Geology and Biology. *As Free Electives*, Mathematics and Physics, or Chemistry, or Geology, or Biology, ten hours a week for one year.

PRELIMINARY MEDICAL COURSE. *As Required Studies*, [Elementary Greek, or Minor Latin], English, Philosophy, Minor Physics, Major Physics. *As a Group*, Chemistry and Biology. *As Free Electives*, Post-major Chemistry, and Post-major Biology or Minor Latin (if not taken as a required study), ten hours a week for one year.

PREPARATION FOR SOCIAL SERVICE. *As Required Studies*, [Elementary Greek, or Minor Latin], English, Philosophy, Minor and Major Biology. *As a Group*, Economics and Politics and Philosophy, or Psychology. *As Free Electives*, Elective Social Economy, or Education, or Philosophy, or Psychology.

The following combinations may be adopted by those who wish to pursue a three years' course in history, economics and

politics, or science, or English, yet do not wish to elect an historical, or economic, or a scientific or language group.

I. *As Required Studies*, [Elementary Greek, or Minor Latin], English, Philosophy, any Science, Modern History. *As a Group*, any language with any language, or Chemistry and Biology. *As Free Electives*, Major History, five hours a week for one year, and Post-major History, or Oriental History five hours a week for one year.

II. *As above*, but for Modern History substitute Minor Economics and Politics, and for Major History, Major Economics and Politics, and for Oriental History, Post-major Economics and Politics, or Elective Social Economy.

III. *As Required Studies*, [Elementary Greek, or Minor Latin], English, Philosophy, Physics and Chemistry, or Geology, or Biology. *As a Group*, any language with any language. *As Free Electives*, Major and Post-major Physics, or Chemistry, or Geology, or Biology, five hours a week for two years.

IV. *As Required Studies*, [Elementary Greek, or Minor Latin], English, Philosophy, Science (Physics, or Chemistry, or Geology, or Biology), another Science (or Modern, or Oriental History, or Minor Economics and Politics, or Minor Philosophy, or Minor Mathematics). *As a Group*, Greek and Latin. *As Free Electives*, Minor and Major English, five hours a week for two years.

Every undergraduate student is expected to consult the Dean of the College in regard to the details and best arrangement of her various studies, and to register her course of study before entering upon college work. Regular attendance at classes is required.

The studies leading to the degree of Bachelor of Arts may, as a rule, be taken in any order preferred by the student, but students are advised to plan their work carefully in advance with reference to the lecture schedule in order that a conflict of hours may not later in their course prevent them from electing all the studies which they desire. Students who elect English as a major study, for example, should take the general English literature lectures and composition in their first and second years in the college because they are required to complete this work before entering the major course in English. Students choosing a scientific group, such as chemistry and biology, must arrange their courses so as to avoid conflicts in the hours for laboratory work. Trigonometry is required for the work of the major year of the group course in physics.

Those students who have not decided on their group may in the first year pursue required studies only, or may elect one of the courses belonging to the group to which they most incline, with the understanding that if they should desire to change their group that course will be counted as a free elective; those students who know what subjects they wish to specialize in may enter at once on the study of both subjects of their group. There are obvious advantages for the student in deferring as long as possible the choice of her free electives, inasmuch as the required studies, by accustoming her to the methods of laboratory work and to the study of languages, literature, and history, afford her every opportunity of ascertaining her true tastes and aptitudes.

The students are not divided into the traditional college classes and there is no limit of time for graduation; in order to pursue a wider course of reading in connection with single subjects, or to attend a greater variety of lectures, the ablest students may choose to defer graduation; personal considerations only determine the time spent in completing the studies required for a degree. Nevertheless these requirements constitute strictly a four years' course; that is to say, if the time given to lectures and class work be, as is usual, fifteen hours a week, a student passing the ordinary matriculation examination, and availing herself of the preliminary courses of the college in the subjects which that examination did not include, in all cases requires precisely four years. To give more time for advanced studies and to lighten the college course, students are permitted to take examinations in certain subjects included in the course without attending the college classes in these subjects. Trigonometry, solid geometry, and Elementary Greek, French, or German, or Minor Latin may be taken in this way if offered not later than the beginning of the junior year. A student who can furnish proof that she has acquired advanced knowledge of French, Italian, or Spanish, or German by attendance on advanced school or college classes, or by residence abroad, or by study under instructors or governesses at home, is permitted to take examinations for advanced standing in reading and composition in these languages, but only in the first three weeks after entering college. Students entering college at the

beginning of the second semester are not permitted to register for more than fifteen hours of college work, or to offer advanced standing examinations in order to complete the work required for a degree in less than four years.

*Studies
Leading
to a
Second
Degree.*

Graduates of Bryn Mawr College, and graduates of other colleges who shall have satisfied the Academic Council that the course of study for which they have received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or who shall have attended such additional courses of lectures as may be prescribed, may apply to the Academic Council to be enrolled as candidates for the degree of Master of Arts or for the degree of Doctor of Philosophy and Master of Arts; admission to the graduate school does not, in itself, qualify a student to become a candidate for these degrees.

The Degree of Master of Arts.

*The Degree
of
Master of
Arts.*

The degree of Master of Arts may be conferred upon graduates of Bryn Mawr College and upon graduates of other colleges who shall have satisfied the Graduate Committee that their course of study has been equivalent to that for which the degree of Bachelor of Arts is given at Bryn Mawr College, or that it has been adequately supplemented by subsequent study.

Graduate Students who desire to become candidates for the M.A. degree are advised to provide themselves with their complete academic record, including their entrance credits, and to make application for the degree if possible before May first in the spring preceding their entrance to Bryn Mawr in order that the Graduate Committee may estimate their work as early as possible and advise them how to make up deficiencies.

For students from colleges or universities outside the United States whose courses have not been exactly equivalent to the Bryn Mawr College course in subjects, the Graduate Committee will judge each case on its merits.

REGULATIONS.

Course of Study.—Each candidate must attend at Bryn Mawr College three seminaries, or two seminaries and one post-major (third or fourth year undergraduate) course. A seminary requires one-third of the student's time for one year; hence to fulfil this requirement the student must devote her entire time for one year to graduate study. Unless, therefore, she has completed all the other requirements before beginning the work for the M.A. degree she will not be able to complete the work in one year,

Admission to Seminaries.—Preliminary training equivalent to the Bryn Mawr College undergraduate major course* in the subject of the seminary is required for admission to a seminary (or undergraduate course equivalent to a seminary) to be counted for the M.A. degree. In special cases, with the approval of the department concerned, work not necessarily equivalent to the Bryn Mawr College undergraduate major course in related subjects of equivalent value in preparation may be accepted. The candidate must however have taken the equivalent of a major course in some subject.

Examinations.—The candidate is required to pass satisfactorily examinations on the seminaries or courses offered, such examinations being held in the first week of the May examination period.

PRELIMINARY REQUIREMENTS.

(a) *Reading Knowledge of French and German.*

All candidates must prove their ability to use these languages in graduate seminaries by passing a written examination in these languages. The only exception is that a graduate of Bryn Mawr College who becomes a candidate for the M.A. degree within two years after graduation and has taken the yearly examination in French or German is excused from examination in this language.

Dates of Examination in French and German.—Examinations will be held each year on or about October 15th and again before Thanksgiving. Both examinations must in general be passed before Thanksgiving of the year in which the candidate takes her degree, but the Graduate Committee may, at its discretion, decide to give a candidate who fails at Thanksgiving in either language another trial at some time during the first semester.

If the candidate devotes two years to work for the degree she may take one or both examinations in the first year.†

(b) *Knowledge of English.*

1. *Ability to Write Correct English.*—The candidate must satisfy the Department of English Composition that she is able to write correct English, and in case of failure to do so will be requested by the Graduate Committee to make up deficiencies in this respect by entering a graduate course in English composition. She must also be able to give a report or carry on discussion in satisfactory English.

2. *English Literature, or Literature of Other Languages.*—A candidate is required to present credits in her undergraduate college course for ten

* See page 51. This amounts to 20 semester hours, but in English to 40 semester hours, of undergraduate college training. Compare, however, paragraph (b) below for the equivalents for the first 20 hours of English.

† Since the student's entire time should be given to the work of her seminaries, candidates are advised, whenever possible, to prepare for these language examinations before entering the College and to pass them off in the October examination.

semester hours in literature, at least five of which must be English Literature, and in case of failure to do so will be requested by the Graduate Committee to make up deficiencies.

(c) *Knowledge of Latin.*

All candidates are required to have a knowledge of Latin prose of the standard of Cæsar and Cicero. Candidates who have no credit for Latin on entrance to college are required to pass an examination in Latin Prose Authors of the standard of Cæsar and Cicero, and some questions on grammar may be included. Candidates who have certificates covering part of this ground will be examined on the part in which they are deficient.

Time of this examination: End of first semester. The Graduate Committee may at its discretion grant a second examination early in the second semester to a student who has failed.

(d) *Knowledge of Philosophy, Psychology, Laboratory Sciences, or Mathematics.*

A candidate is required to present credits obtained in her undergraduate college course for twenty semester hours of work in two or more of the subjects, Philosophy, Psychology, Laboratory Science (*i. e.*, Physics, Chemistry, Geology or Biology) or Mathematics, not more than ten of these semester hours to be in any one of these subjects and the twenty hours may not be entirely in Philosophy and Psychology. If, however, the candidate has no entrance credit in a Science which has included laboratory work she will be requested by the Graduate Committee to make up her deficiency by taking in Bryn Mawr College at least six semester hours of Science accompanied by laboratory work which may be counted in the above twenty hours.

The Degree of Doctor of Philosophy and Master of Arts.

*The Degree
of
Doctor of
Philosophy
and
Master of
Arts.*

The degree of Doctor of Philosophy and Master of Arts may be conferred upon graduates of Bryn Mawr College, and upon graduates of other colleges who shall have satisfied the Academic Council either that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or that it has been adequately supplemented by subsequent study. The degree is given to no one who cannot read French and German, or who is unacquainted with Latin. The degree of Doctor of Philosophy will in no case be conferred by the College as an honorary degree.

REQUIREMENTS.

1. *Time*.—The earliest date at which the Ph.D. degree may be taken is three years after graduation, but the element of time is subordinate to the other requirements. The minimum of three years will usually be exceeded.

2. *Residence*.—The candidate must devote to graduate work the equivalent of three full years, of which at least two must be at Bryn Mawr, and the third if not at Bryn Mawr at some other college or university approved by the Graduate Committee.

3. *Subjects*.—The course of study shall consist of one major subject and two minor subjects, of which one (the associated minor) shall be in the same department as the major subject, or in a closely allied department specified in the printed requirements; the other (the independent minor) shall complete a combination authorised in the printed requirements. Certain combinations will permit the independent minor to be taken in the same department as the associated minor, when this is not in the same department as the major subject. The printed list of independent minors shall consist of subjects that are recommended, and the Graduate Committee shall have power to accept subjects not specified in the list.

4. *Courses*.—During the three years devoted to graduate work the candidate shall take a certain number of seminars stated below; in case any part of the three years is spent at some other college or university the Graduate Committee shall determine the Bryn Mawr equivalents of the courses there taken.

In the major subject together with the associated minor the candidate shall take during each of three years one journal club and two seminars, or graduate courses recognised by the Graduate Committee as seminars;* in the independent minor she shall take for one year two† seminars, or graduate courses recognised as seminars. The division of the seminars between the major and the associated minor shall be subject to the approval of the Supervising Committee. In no case shall less than two seminars and one journal club for two years be taken in the major subject.

The required courses may be spread over more than three years; but the student may not take four required seminars with one instructor unless authorized by the Graduate Committee.

No post-major work or work equivalent to post-major shall count towards the degree, even though a candidate may be obliged to take such work in order to supplement her preparation in her subjects, except in the case of such courses in science as shall be designated in the calendar and accepted by the Graduate Committee as equivalent to graduate seminars in virtue of assigned supplementary reading or laboratory work or both.

Of the courses required in the major and associated minor, two seminars and one journal club for at least two years must be taken before

* The Graduate Committee may count as the equivalent of a seminar an amount of work that requires about fourteen hours per week of the student's time.

† If the major is taken in Science one seminar may be omitted in the independent minor under certain conditions.

the Preliminary Examination, as well as the whole of the work in the independent minor. All must be completed before the Final Examination.

5. *Dissertation.*—The dissertation must be the result of independent investigation in the field covered by the major subject, under such direction as may be necessary; it must contain new results, arguments, or conclusions, or it must present accepted results in a new light. It must be published within three years from the Commencement after the candidate has passed the Final Examination, unless a special extension of time is granted by the Graduate Committee; and 150 copies (including the vita), of which two must be bound in a specified manner, must then be supplied to the College. The candidate shall not be entitled to use the degree until her dissertation shall have been published in approved form.

6. *Examinations.*—The progress and attainments of the candidate shall be tested by examinations as explained in the printed regulations.

Registration.—Before an applicant for the degree of Ph.D. can be admitted as a candidate she must submit* to the Graduate Committee, in writing, an account of her general preparation, stating in particular the extent of her knowledge of Latin, French, and German; stating also the subjects she wishes to offer as major and minors for the degree, and the amount and character of the work already done in these subjects. If this statement is satisfactory she will be registered as a candidate. When the Graduate Committee decides that the candidate's preparation is in any way insufficient she will be required to undertake suitable extra work.

UNDERGRADUATE STUDENTS.

General Regulations.

Residence. Residence in the college buildings is required of all undergraduate students except those who reside with their families in Philadelphia or in the neighbourhood.

Conduct. The conduct of the students in all matters not purely academic, or affecting the management of the halls of residence, or the student body as a whole, is in the hands of the Students' Association for Self-Government, which was organized in 1892. All persons studying in Bryn Mawr College, whether graduates or undergraduates, are members of this association.

The college reserves the right to exclude at any time students whose conduct or academic standing it regards as undesirable, and in such cases the fees due or which may have been paid in advance to the college will not be refunded or remitted in whole or in part.

Registration. Every student who enters the college is required to register with the Secretary and Registrar and the Comptroller. This

* Using the application blank issued by the Graduate Committee.

registration at the beginning of the academic year must be completed before a quarter to nine o'clock in the morning of the day on which lectures begin. The Dean of the College advises all undergraduate students in regard to their academic work. Members of the entering class should secure immediately appointments for an interview with the Dean. The President of the College expects to see all new students. Appointments for an interview with the President should be made at the office of the Secretary and Registrar.

The health of the students is under the charge of a Health Committee consisting of the President, the Dean of the College, the Director of Physical Training, the Physicians of the College, and the Wardens. See pages 147 to 149.

Health.

Residence.

Plans and descriptions of the academic buildings and of the halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall West, Pembroke Hall East, and Rockefeller Hall, with a full account of the halls and tariff of rooms, are published as Part 4 of the Bryn Mawr College Calendar and may be obtained by application to the Secretary and Registrar of the College. Each of the halls of residence (except Pembroke, which has a common dining-hall and kitchen for the two wings) has its separate kitchen and dining-hall, provides accommodation for from sixty to seventy students, and is under the charge of a resident warden. Every student has a separate room provided with the necessary furniture* and service.

*Halls of
Residence.*

Application for rooms should be made as early as possible. Every application must be accompanied by a deposit of fifteen dollars, otherwise the application will not be registered. If there is any doubt about the date of entry it is suggested that application for two consecutive years may be made by deposit

*Application
for rooms.*

* Students are expected to provide their own rugs, curtains and towels. Electric reading lamps, table napkins, sheets, etc., are provided by the college. No part whatever need be taken by the students in the care of their own rooms.

There are open fire-places in nearly all the studies and in many single rooms, but the rooms are sufficiently heated by steam; the air in each room is changed every ten minutes, and the temperature is regulated by a thermostat in each room. The student's personal washing may be done by any laundry recommended by the college. On account of the danger of infectious diseases students in residence are not permitted to send their washing to private laundresses.

of a double fee, thus ensuring a better choice of rooms in the second year, if entrance in the year first planned proves impossible.

A deposit of fifteen dollars must also be made by each student in residence in order to insure the tenure of her room for the following academic year. The amount of this deposit will be deducted from the rent if the room or suite of rooms assigned be occupied by the applicant. The amount of this deposit will be refunded only in the following cases:

a. If an applicant who is a student of the college gives formal notice to the Secretary and Registrar of the College before the first of May preceding the academic year for which the application is made that she wishes to withdraw her application.

b. If a candidate who has applied for admission to the college in October gives formal notice to the Secretary and Registrar of the College before the first of August preceding the academic year for which the application is made that she wishes to withdraw her application.

c. If a candidate who has applied for admission to the college in February gives formal notice to the Secretary and Registrar of the College before the first of January preceding the semester for which the application is made that she wishes to withdraw her application.

In all other cases the deposit will be forfeited to the College. Cheques should be made payable to Bryn Mawr College.

Rooms are assigned to members of the entering class during the summer preceding the academic year for which application is made. Candidates who offer all their examinations in the autumn and are qualified for admission will be assigned rooms then if any rooms are vacant. No particular room or set of rooms may be applied for; but candidates are allowed to choose in turn from among all the rooms left vacant, the order of choice being determined by the date of application.

*Withdrawal
of applica-
tion for
rooms.*

Every applicant who reserves a room after the first of September or who fails to withdraw her application by that date and either does not occupy the room at all or vacates it during the college year prevents some other student from obtaining accommodation and consequently admission to the college. Therefore, unless formal notice of withdrawal of application for the ensuing academic year is received by the Secretary and Registrar of the College by the first of September (or in the case of an application for the second semester only, by the first

of January) the applicant *is responsible* for the rent for the whole year of the room or suite of rooms assigned to her or for a minimum rent of one hundred and seventy-five dollars in case a definite assignment has not been made. The charges for room rent are not subject to remission or deduction unless the college is able to re-rent the room. The applicant is not entitled to dispose of the rooms thus left vacant.

Expenses for Undergraduate Students.

For undergraduate students and hearers the charge for tuition is three hundred dollars a year, payable in advance.* The average cost of teaching each undergraduate student in 1921-22 was \$818.71 and is estimated for 1922-23 to be about \$825. The tuition fee has been fixed at three hundred dollars in order not to exclude those unable to pay the entire amount but the difference between the actual cost and the price of tuition must be met from the small endowment funds of the college and from outside gifts. Voluntary contributions from parents or students able and willing to pay the whole or any part of this additional five hundred and twenty-five dollars will be credited as a gift towards scholarships for students unable to meet even the three hundred dollars tuition fee. No reduction of the charge of three hundred dollars can be made on account of absence, illness, dismissal during the currency of a semester, term, or year, or for any other reason whatever, and no refunding will be made on account of any of the said causes in case of a payment in advance.

***Fees for
Tuition.***

For undergraduate students taking one laboratory course of four or more hours a week there is an additional charge of fifteen dollars a semester for materials and apparatus; for students taking two laboratory courses of four or more course a week a charge of twenty-five dollars a semester; and for students taking three laboratory courses of four or more hours a week a charge of thirty dollars a semester. A charge of seven dollars and fifty cents a semester is made for students taking a laboratory course of less than four hours a week.

***Laboratory
Fees.***

In courses in Geology each hour of field work is counted as one hour of laboratory work. Not more than one laboratory course is required of candidates for a degree.

In the course in History and Appreciation of Music a charge of \$1.25 a semester is made for the purchase of necessary books and material.

The expense of board and residence in the college halls for undergraduate students is four hundred and fifty dollars a

***Fees for
Board
and Resi-
dence.***

* Students that intend to take the degree of Bachelor of Arts in February will be charged only one-half the regular tuition fee if they register this intention in the comptroller's office before beginning their college work, provided their entire academic work can be completed in the first semester.

year and upwards, according to the room or rooms occupied by the student; in about one-sixth of the college rooms the expense of board and residence is four hundred and fifty,* and in about one-sixth five hundred and seventy-five dollars. Of this charge four hundred dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance.

Reduction of fees on account of illness.

In case of prolonged illness and absence from the college extending over six weeks or withdrawal from the college for a period of six weeks or more, there will be a special proportionate reduction in the charge for board, provided that written notice be given to the Dean of the College and to the Comptroller at the time of withdrawal, or, in case the student is ill at home, as soon as possible after her illness is known. Verbal notice to wardens or instructors is not sufficient to secure the above allowance.

Residence in vacations.

Students who wish to remain at the college during the Christmas and Easter vacations should apply to the Warden for information in regard to rooms and rates. During the Christmas vacation the halls of residence are closed but accommodation is provided on or near the college campus. During the Easter vacation the halls of residence are in general kept open and undergraduate and graduate students may occupy their rooms at a fixed rate.

Students remaining during any part of the Christmas or Easter vacations in Bryn Mawr, or in the immediate neighbourhood, not in their own homes, are required to take advantage of the arrangements made by the college and will be charged for the period of the vacation. A student not going to her own home is required to inform the Warden of her hall in advance of her intention to spend the vacation elsewhere and to register her address with her Warden.

Incidental Fees and Charges.

The graduation fee is twenty dollars, payable in the senior year.

The infirmary fee is twenty dollars annually, payable October first.

Every student who enters the college must register her courses within two weeks after entrance. A charge of one dollar will be made for each change made in the course after it has been definitely registered.

A fee of seven dollars a year is charged to each resident undergraduate, and a fee of three dollars and fifty cents a year to each non-resident undergraduate for the up-keep of the athletic fields.

Every student except a member of the freshman class who moves from one hall to another is charged a fee of ten dollars for moving, and every student except a member of the freshman class who moves from one room to another in the same hall is charged a fee of five dollars. This fee entitles a student to have five pieces moved free of charge.

Summary of Expenses for Undergraduate Students.

Tuition for the academic year, payable October 1st.....	\$300.00
Room-rent for the academic year, payable October 1st.....	50.00*
or \$175, \$250, \$275, \$300, \$370, \$420, \$450, \$500, \$550, depending on the room or rooms occupied.	
Infirmary fee for the academic year, payable October 1st.....	20.00
Board for the academic year, payable in equal instalments, October 1st and February 1st.....	400.00
Total for tuition, residence, and infirmary fee for the academic year with minimum room-rent.....	\$770.00
Laboratory fees, for laboratory course of less than four hours a week for the academic year.....	15.00
For laboratory course of four or more hours a week for the academic year.....	30.00

* In about one-sixth of the college rooms the rent is \$50.00, making the cost of board, residence, and tuition for undergraduate students \$750, but students desiring to apply for rooms at \$50.00 must file a statement at the office of the Secretary and Registrar that they are unable to afford rooms at a higher price.

The fees are due on the first day of each semester and students whose fees are not paid before November first in the first semester or before March first in the second semester are not permitted to continue in residence or in attendance on their classes.

Loan Fund and Scholarships and Prizes.

THE STUDENTS' LOAN FUND OF BRYN MAWR COLLEGE was founded by the Class of 1890 for the purpose of receiving contributions, however small, from those who are interested in aiding students to obtain an education. The money thus contributed is distributed in the form of partial aid, and as a loan. It is as a rule applied to the assistance of those students only who have attended courses in the college for at least one year. The Fund is managed by a committee consisting of the President of the College and representatives of the Alumnae Association of Bryn Mawr College. The committee reports yearly to the Board of Trustees and to the Alumnae Association. The committee consists of the following members: President Marion Edwards Park; Miss Anne Hampton Todd, *ex-officio*, 2115 Spruce Street, Philadelphia; Miss Doris Earle, Chestnut Hill, Pa., Chairman; Miss Emma Osborn Thompson, 506 South Forty-eighth Street, Philadelphia; Professor Eunice Morgan Schenck, Bryn Mawr College; Miss Helen Rutgers Sturgis, 500 Cedar Avenue, Richmond Hill, Long Island, N. Y., and Miss Margaret Millicent Carey, 1004 Cathedral Street, Baltimore, Md., or 171 Field Point Road, Greenwich, Conn. Contributions may be sent to any member of the committee. Applications for loans should be sent to the chairman of the committee, and all applications for any given year should be made before May 1st of the preceding academic year.

Loan Fund.

SCHOLARSHIPS AWARDED AT ENTRANCE TO BE HELD BY FRESHMEN.

Four competitive entrance scholarships, of the value of \$100 each, are awarded annually to candidates receiving their final certificates in the spring matriculation examinations of Bryn Mawr College. One is open to candidates from each of the following districts:—

(a) The New England States; (b) New York, New Jersey, and Delaware; (c) Ohio, Indiana, Illinois, Michigan, and Wisconsin, and the States west of the Mississippi River; (d) Pennsylvania and all places not included in (a), (b), and (c). The district to which a candidate is considered to belong is determined by the school at which she receives her final preparation, or in case of preparation by private study by the place of residence during the year preceding the final examination; but candidates may present themselves for examination at any place where such examination is held. These scholarships, which are to be held for one year only, are awarded in each of the above named districts on the general average obtained, but no candidate is eligible for a scholarship who has received more than two conditions in the fifteen sections of the examination or whose general average is less than 75 per cent. When the examination has been divided no account is taken of those conditions incurred in the first division which have been passed off in the final division. The competition is limited to those who intend to spend at least one year at Bryn Mawr College, who have not studied at any other college, and have not cancelled any division of the Bryn Mawr College matriculation examinations. All those who present themselves are *ipso facto* candidates for these scholarships, no formal declaration of candidacy being required.

Scholarships of the value of \$500 each were founded in 1885 by the Board of Managers of the Bryn Mawr School, of Baltimore, Maryland. One of these scholarships is open annually to the graduate of the Bryn Mawr School who has completed the school course with most distinction.

One scholarship entitling the holder to one year's free tuition, was founded by the College in 1895, and was presented to the School Board of Education of Lower Merion Township, Montgomery County, Pa., for the benefit of graduates of the High School of Lower Merion Township, Ardmore, Pa., on the following terms: 1. The candidate shall have complied with the requirements for admission to Bryn Mawr College, and shall have received all her preparation for the entrance examinations in the Lower Merion High

Scholarships for Under-graduates.

School; 2. She shall have been recommended by the School Board of Education of Lower Merion Township, and their recommendation shall have been approved by the Directors of Bryn Mawr College; 3. If in any year there shall be, in the judgment of the School Board of Education of Lower Merion Township, no satisfactory candidate in the graduating class, the scholarship may be renewed during the following year for the benefit of a former holder, provided her conduct and academic work have been satisfactory to the authorities of the college.

One scholarship entitling the holder to one year's free tuition was founded by the Directors in 1909 and was presented to the School Board of Education of Norristown, Pa., for the benefit of graduates of Norristown High School, on the following terms: 1. That the candidate shall have received all her preparation for Bryn Mawr College in the Norristown High School; 2. That she shall have successfully passed the entrance examinations of Bryn Mawr College not later than the June preceding the autumn in which she wishes to enter the college; 3. That this scholarship shall not be awarded twice to the same person unless the Superintendent of Schools shall file in the office of the President of the College a statement to the effect that no other member of the graduating class is able to compete for the scholarship; 4. That the candidate shall have been nominated to the Board of Directors of Bryn Mawr College by the Superintendent of Schools or by the Board of Education and that such nomination shall have been duly approved by the Board of Directors of Bryn Mawr College.

Regional Scholarships of the value of \$500 to be awarded in each of the districts of the Alumnae Association to the most promising candidate who is also in need of financial assistance to enter upon a college course have been approved by the Alumnae Association of Bryn Mawr College and will be awarded when the necessary amounts can be raised. Information in regard to these scholarships may be obtained from the Secretary and Registrar of the College. Since 1914 a scholarship of the value of \$100, increased in 1921 to \$200, has been given annually by the Chicago Bryn Mawr Club. In 1917 the Pittsburgh Bryn Mawr Club founded a competitive entrance scholarship of the value of \$200, increased in 1922 to \$500. The New England Alumnae founded in 1922 an entrance scholarship of the value of \$500.

For the year 1922-23 six Regional Scholarships of the value of \$500 were awarded. Holders of these scholarships have been assured of \$300 for their sophomore year in college. For the year 1923-24 the Alumnae of Bryn Mawr College offer a scholarship of \$500 to a candidate from each of the following districts: (1) Eastern Pennsylvania and Delaware; (2) Western Pennsylvania; (3) New York State; (4) New Jersey; (5) New England; (6) District of Columbia; (7) Cincinnati; (8) Illinois, Iowa, Minnesota, Wisconsin, North Dakota, South Dakota, or Wyoming; (9) and for a candidate from California a scholarship of \$300.

SCHOLARSHIPS AWARDED AT ENTRANCE RENEWABLE FOR FOUR YEARS.

Eight scholarships, two awarded each year, for non-resident students prepared in the Philadelphia Girls' High Schools, entitling the holder to free tuition, renewable for four consecutive years, were founded by the Trustees of Bryn Mawr College in 1893 and are given on the following terms: 1. The candidate shall have complied with the requirements for admission to Bryn Mawr College, and shall have received all her preparation for the entrance examination of Bryn Mawr College in the High Schools for Girls, Philadelphia; 2. She shall have been recommended by the Board of Education of Philadelphia, and their recommendation shall have been approved by the Directors of Bryn Mawr College; 3. The scholarship shall be renewed annually by the Directors, until the holder has completed her fourth year at college, provided her conduct and academic work have been satisfactory to the authorities of the college.

Eight scholarships, two available each year, of the value of \$100 for students prepared in the Philadelphia Girls' High Schools are given by the Board of Public Education of the City of Philadelphia. The scholarships are renewable for four consecutive years and are awarded on the same basis as the Trustees' Philadelphia Girls' High School scholarships.

One competitive entrance scholarship* entitling the holder to free tuition, renewable till graduation, is open annually for competition to members of the Society of Friends who are unable to pay the full charge for tuition and residence. This scholarship is awarded, as far as possible, under the same rules as those governing the award of the competitive entrance scholarships of Bryn Mawr College.

The L. C. B. Saul Memorial Scholarship. In 1893 the Alumnae Association of the Girls' High and Normal School of Philadelphia founded at Bryn Mawr College a scholarship of the value of \$100, renewable for four years. This scholarship is awarded every four years to the graduate of the Girls' High Schools who passes the matriculation examination of Bryn Mawr College for that year with the highest credit. In 1904 the scholarship was renamed the L. C. B. Saul Memorial Scholarship.

Four Frances Marion Simpson Scholarships,* entitling the holder to free tuition, were founded in 1912 by Justice Alexander Simpson, Jr., in memory of Frances Simpson Pfahler, of the class of 1906; one scholarship to be awarded in each October, to a candidate who receives her final certificate in the preceding spring matriculation examination. Competition for these scholarships is open in the first place to residents of Philadelphia and Montgomery counties who have been prepared for Bryn Mawr College in the public schools of the said counties, or at home by their parents and guardians, or in the model school of the Department of Education of Bryn Mawr College, or in Miss S. Janet Sayward's School at Overbrook, Pennsylvania, so long as she shall be conducting the same; or in default thereof to residents of other counties in Pennsylvania; and only those students who are unable or whose parents are unable to afford to pay the fees for tuition or if living at a distance, the fees for tuition and board, in Bryn Mawr College are entitled to compete. In special cases the scholarship may be awarded to a candidate from some other locality, in which case the restriction to preparation in public schools may also be relaxed, or it may be awarded to some one who can pay part of the charge for her tuition, or for her tuition and board, but not the whole thereof.

The scholarships are renewable for four successive years, and are meant for those students only who take the full college course. Students holding the scholarships who become able to pay the tuition fees of Bryn Mawr College in whole or in part are required to do so, and all holders of the scholarships are required to promise to repay for the benefit of other students in need of the scholarship, the advances made to them, when they can do so without oppressing themselves or neglecting their duties to others.

The Charles E. Ellis Scholarships of the value of \$300 each were founded in 1909 by the bequest of the late Charles E. Ellis and are awarded on the recommendation of the Superintendent of the Public Schools of the City of Philadelphia to students educated in the public schools of Philadelphia who have passed the entrance examinations of Bryn Mawr College and whose nomination has been approved by the Board of Directors of the Trustees of Bryn Mawr College. These scholarships are renewable for four consecutive years.

The Minnie Murdock Kendrick Memorial Scholarship entitling the holder to free tuition and renewable for four consecutive years was founded in 1916 by the bequest of the late George W. Kendrick, Jr. This scholarship is awarded to a candidate who has fulfilled the requirements for admission to Bryn Mawr College by the Board of Directors of Bryn Mawr College on nomination by the executors of George W. Kendrick, Jr., or at their death or at the death of their survivors, by the Board of Public Education of Philadelphia.

SCHOLARSHIPS AVAILABLE FOR MEMBERS OF THE SOPHOMORE CLASS IN NEED OF FINANCIAL AID.

The James E. Rhoads Memorial Sophomore Scholarship* of the value of \$250 for one year, was founded in 1897 by the Alumnae Association of Bryn Mawr College, in memory

* Application for these scholarships should be made on a form obtainable from the office of the Secretary and Registrar of the College and should be sent to the Secretary and Registrar before March 15th of the year preceding the academic year for which the scholarship is desired.

of the first President of the College, Dr. James E. Rhoads. The scholarship is open to those students only who have completed college work amounting to not less than twenty and not more than forty-five hours (three semesters' work) for a semester, and have been in attendance upon lectures at Bryn Mawr College not less than one semester. To be eligible for this scholarship a student shall have attained a high degree of excellence in her work, shall express her intention of fulfilling the requirements for the degree of A.B. at Bryn Mawr College, and shall prove her need of financial aid to the satisfaction of the nominating committee. In case the scholarship is awarded to a non-resident student, its value shall not exceed the tuition fee. The nominating committee consists of the Faculty Committee on Undergraduate Scholarships and the members of the Scholarships and Loan Fund Committee of the Alumnae Association.

Two Maria Hopper Scholarships* of the value of \$200 each were founded in 1901 by the bequest of the late Maria Hopper of Philadelphia. They are awarded, on the ground of excellence in scholarship, to two members of the freshman class who need financial assistance, to be held at Bryn Mawr College during the sophomore year.

SCHOLARSHIPS AVAILABLE FOR MEMBERS OF THE JUNIOR CLASS IN NEED OF FINANCIAL AID.

The James E. Rhoads Memorial Junior Scholarship,* of the value of \$250 for one year was founded in 1897 by the Alumnae Association of Bryn Mawr College in memory of the first president of the College, Dr. James E. Rhoads. The scholarship is open to those students only who have completed college work amounting to not less than forty and not more than seventy-five hours (five semesters' work) for a semester, and have been in attendance upon lectures at Bryn Mawr College not less than three semesters. To be eligible for this scholarship a student shall have attained a high degree of excellence in her work, shall express her intention of fulfilling the requirements for the degree of A.B. at Bryn Mawr College, and shall prove her need of financial aid to the satisfaction of the nominating committee. In case the scholarship is awarded to a non-resident student, its value shall not exceed the tuition fee. The nominating committee is the same as for the James E. Rhoads Memorial Sophomore Scholarship.

The Mary E. Stevens Scholarship* of the value of \$160 founded in 1896 by former pupils of Miss Mary E. Steyens's School is awarded on the nomination of the President of the College to a member of the Sophomore class who needs financial assistance, to be held at Bryn Mawr College, during the junior year.

The Anna Hallowell Memorial Scholarship* of the value of \$100 was founded in 1912 by the family of the late Anna Hallowell. It is awarded to a member of the sophomore class in need of financial assistance to enable her to continue her studies during her junior year, and is to be awarded by the Faculty to the student satisfying the above requirement who has the highest academic record provided that this student does not hold any other scholarship. This provision may, however, be disregarded in case of great financial need.

SCHOLARSHIP AVAILABLE FOR MEMBERS OF THE SENIOR CLASS IN NEED OF FINANCIAL AID.

The Anna M. Powers Memorial Scholarship* of the value of \$200 was founded in 1902 by the late Mrs. J. Campbell Harris in memory of her mother, Anna M. Powers. The scholarship is open to members of the junior class who need financial aid in order to complete the work for the degree and is to be held in the senior year.

* Application for these scholarships should be made on a form obtainable from the office of the Secretary and Registrar of the College and should be sent to the Secretary and Registrar before March 15th of the year preceding the academic year for which the scholarship is desired.

SCHOLARSHIPS AVAILABLE FOR STUDENTS IN ANY CLASS IN NEED OF FINANCIAL AID.

The Thomas H. Powers Memorial Scholarship* of the value of \$200 was founded in 1910 by the late Mrs. J. Campbell Harris in memory of her father, Thomas H. Powers.

The Mary Anna Longstreth Memorial Scholarship* of the value of \$300 was founded in 1913 by the Alumnae of the Mary Anna Longstreth School, the children of Alumnae, and a few of her friends in grateful memory of Mary Anna Longstreth. The scholarship, which provides free tuition for one student, is to be awarded each year to a student who needs financial aid to begin or continue her college course.

The Anna Powers Memorial Scholarship* consisting of the income of a gift of \$1000 was founded in 1919 by Mrs. Charles Merrill Hough in memory of her sister Anna Powers, a member of the Class of 1890. The award of the scholarship is to be made by the Faculty of Bryn Mawr College.

The Constance Lewis Memorial Scholarship,* of the value of \$100 annually, was founded in 1919 by the Class of 1904 in memory of their classmate Constance Lewis. The award of the scholarship is to be made by the Faculty of Bryn Mawr College.

The Amelia Richards Scholarship* was founded in 1921 by the bequest of the late Mrs. Frank P. Wilson in memory of her daughter, Amelia Richards, deceased, of the class of 1918. The scholarship consists of the income of \$10,000 and is awarded annually by the Trustees on the nomination of the President of the College.

The Elizabeth Wilson White Memorial Scholarship,* consisting of the income of a gift of \$7,500 was founded in 1923 by Mr. Thomas Raeburn White in memory of his wife. The scholarship is awarded annually by the President of the College to a student who is in need of assistance to enter upon or continue her work at Bryn Mawr College.

The Alice Ferree Hayt Memorial award of \$50 is to be given each year, beginning in 1922-23, by Mrs. E. Todd Hayt to a student in need of financial assistance.

SCHOLARSHIPS AWARDED FOR DISTINCTION IN ACADEMIC WORK.

The Maria L. Eastman Brooke Hall Memorial Scholarship of the value of \$100 was founded in 1901, in memory of Maria L. Eastman, Principal of Brooke Hall School for Girls, Media, Pa., by the Alumnae and former pupils of the school. It is awarded each year on the ground of scholarship, irrespective of the need of financial aid, to a member of the junior class to be held during the senior year. No application for the scholarship is necessary.

The Elizabeth Duane Gillespie Scholarship in American History of the value of \$60 was founded in 1903 by the Pennsylvania Society of Colonial Dames of America, in memory of Elizabeth Duane Gillespie. It is awarded annually to a member of the sophomore or junior class, on condition that the holder of the scholarship devote to the study of American history at least four hours a week for one year during the last two years of her college course. The candidate is to be selected by the Faculty of Bryn Mawr College on the ground of excellence in scholarship.

The Charles S. Hinchman Memorial Scholarship of the value of \$500 was founded in 1917 in memory of the late Charles S. Hinchman of Philadelphia by his family. The holder will be nominated to the Faculty by the Undergraduate Scholarships Committee of the Faculty which will be guided in its selection by (1) the student's record in her group subjects, (2) written recommendations from the instructors in these subjects, (3) evidence of the student's ability as shown by written work in her group subject together with a written estimate of the same by the instructor most directly concerned, such work to be submitted not later than March 15th of the year preceding the one in which the scholarship is to be awarded.

The Elizabeth S. Shippen Scholarships were founded in 1917 by the bequest of the late Elizabeth S. Shippen of Philadelphia. Three scholarships are awarded each year, one to a member of the senior class and two to members of the junior class, as follows:

* Application for these scholarships should be made on a form obtainable from the office of the Secretary and Registrar of the College and should be sent to the Secretary and Registrar before March 15th of the year preceding the academic year for which the scholarship is granted.

The Shippen Foreign Scholarship of the value of \$200 is awarded each year to the member of the senior class who is elected to the Bryn Mawr European Fellowship.

The Shippen Scholarship in Science of the value of \$100 is awarded annually to a member of the junior class, one or both of whose major subjects lie in the Scientific Departments, viz., Physics, Chemistry, Geology, Biology, for excellence of work in one of these departments.

The Shippen Scholarship in Foreign Languages of the value of \$100 is awarded annually to a member of the junior class, one or both of whose major subjects lie in the Departments of Foreign Languages, viz., Greek, Latin, German, French, Italian, Spanish, for excellence of work in one of these departments.

No student shall be considered eligible for the Science or Foreign Language Scholarship who has not completed at least fifteen hours of work in the subject on which the computation is based. The winner of the Charles S. Hinchman Memorial Scholarship will not be eligible for the Shippen Scholarship in Science or in Foreign Languages.

The Sheelah Kilroy Memorial Scholarships in English of the value of \$125 each were founded in 1919 by Dr. and Mrs. Philip Kilroy in memory of their daughter Sheelah. These scholarships are awarded annually on the recommendation of the Department of English, one to the student who does the best work in the required English courses, and one to the student who does the best work in the advanced English courses.

The Woman's Medical College of Pennsylvania presented to Bryn Mawr College in 1910 a scholarship to be awarded to a graduate of the college recommended by the President and Faculty as in their opinion qualified to take up the study of medicine. The holder is given free tuition for one year at the Woman's Medical College of Pennsylvania and the scholarship will be renewed for the three remaining years of the medical course if the holder's record prove satisfactory.

PRIZES AWARDED FOR DISTINCTION IN ACADEMIC WORK.

The George W. Childs Essay Prize, a gold watch, given since 1892 first by Mr. George W. Childs and after his death by his widow, is awarded each year on the nomination of the English Department to the best English essayist in the graduating class.

The Horace White Prize in Greek Literature, a prize of \$50 founded by Miss Amelia Elizabeth White in 1919 is awarded to the best student in the Major class in Greek Literature, the nomination to be made by the Professor conducting the class.

PRIZES FOR GENERAL INFORMATION.—Three President M. Carey Thomas Prizes of the value of \$75, \$50 and \$25 are awarded to the three students who stand highest in an examination on general information set by a committee of the Faculty.

PRIZES FOR KNOWLEDGE OF GREAT POETS AND PROSE WRITERS.—Three President M. Carey Thomas Prizes of the value of \$75, \$50 and \$25 are awarded to the three students who stand highest in an examination on general literature set by a committee of the Faculty.

FORM OF BEQUEST.

I give and bequeath to The Trustees of Bryn Mawr College, a corporation established by law in the State of Pennsylvania, the sum of.....to be invested and preserved inviolably for the endowment of Bryn Mawr College, located at Bryn Mawr, Pennsylvania.*

Dated.....

* The bequest may be made, if desired, for foundation of professors' chairs, scholarships, fellowships, or for some other specified purpose.

Foundation of Scholarships.

The Trustees of Bryn Mawr College will welcome the gift of any sum of money the income from which is to be devoted to special scholarships in accordance with the wishes of the donors. These scholarships may bear in perpetuity the names of persons for whom the donors desire to establish memorials. At the present rates the sum of \$7500 will yield sufficient income to provide tuition for one student at Bryn Mawr College, the sum of \$12,500 will provide board and room rent for one student, and the sum of \$20,000 will provide tuition, board and room rent for one student.

GRADUATE STUDENTS.

Graduate students must present a diploma from some college of acknowledged standing and satisfactory credentials. They are admitted to residence or to attendance on lectures at any time during the year. *Admission.*

Residence in the college buildings is optional except for holders of resident fellowships and scholarships. In each hall of residence, except Merion Hall, a special wing or corridor is reserved for graduate students, and in order to secure entire quiet no undergraduate students are permitted to engage rooms in the graduate wings. Every student has a separate room; the necessary furniture, heat, light, and service are provided.* *Residence for Graduate Students.*

Each graduate student, fellow, or scholar who desires to reserve a room in a hall of residence is required to sign a room contract and to return it with a deposit of fifteen dollars to the Secretary and Registrar of the College. The amount of this deposit will be deducted from the rent if the room is occupied by the student; it will be refunded if the student gives formal notice to the Secretary and Registrar of the College before the first of August preceding the academic year for which the application is made that she wishes to withdraw her application. If for any reason whatever the change or withdrawal be made later than the first of August, the deposit will be forfeited to the College.

* Rugs and towels must be furnished by the students themselves. Upon request rugs will be supplied.

Students making application for a room for the second semester forfeit the deposit if they do not file formal notice of withdrawal at the office of the Secretary and Registrar before the first of January of the academic year for which the room is reserved.

*Withdrawal
of Application for
Rooms.*

Every applicant who reserves a room after the first of September or who fails to withdraw her application by that date and either does not occupy the room at all or vacates it during the college year prevents some other student from obtaining accommodation and consequently admission to the college. Therefore, unless formal notice of withdrawal of application for the ensuing academic year is received by the Secretary and Registrar of the College by the first of September (or in the case of an application for the second semester only, by the first of January) the applicant *is responsible* for the rent for the whole year of the room assigned to her or for a rent of one hundred dollars in case a definite assignment has not been made. The charge for room rent is not subject to remission or deduction unless the college is able to re-rent the room. The applicant is not entitled to dispose of the room thus left vacant.

*Residence
During
Vacations.*

Accommodation is provided for graduate students that wish to remain at the college during the Christmas and Easter vacations at \$15.50 a week. At Christmas the college halls are closed, but accommodation is provided on or near the college campus. At Easter graduate students may occupy their own rooms in the halls of residence at the above rate. Graduate students remaining during the vacations in the neighbourhood of Bryn Mawr are required to take advantage of these arrangements and will be charged at the above rates for the period of the vacation unless they inform the Wardens of their halls in advance of their intention to spend the vacation elsewhere, and register their addresses with the Warden.

Fees for Graduate Students.

Tuition Fees. For graduate students attending six or more hours a week of lectures, and for fellows and graduate scholars the tuition fee is two hundred dollars a year, payable half-yearly in advance. For other graduate students* who do not wish to devote all their time to graduate work the fees are as follows, payable in advance: for one hour a week of lectures, eighteen dollars a semester; for two hours a week of lectures, thirty-six dollars a semester; for three hours a week of lectures, forty-eight dollars a semester; and for four or five hours a week of lectures

* Doctors of Philosophy of Bryn Mawr College may attend lectures or work in the laboratories without payment of any fee except for material used in the laboratory.

sixty-five dollars a semester.* This arrangement is made especially for non-resident graduate students, but those who wish to take five hours a week of lectures or less may live in the college halls on the understanding that they must give up their rooms if needed for students who are taking the full amount of graduate work and paying the regular tuition fee. No student may, however, live in the Halls of Residence who does not register for a course or research work amounting to at least a two-hour lecture or seminary course. The tuition fee for the semester becomes due as soon as the student is registered in the college office. No reduction of this fee can be made on account of absence, dismissal during the currency of the semester, term, or year covered by the fee in question, or for any other reason whatsoever. A proportionate reduction is made in the charges for board and room-rent and for tuition for students admitted after the beginning of the college year. Every student who enters the college must register immediately at the comptroller's office, and must register her courses at the President's office within two weeks after entrance under penalty of exclusion from the college. Any change made later in the courses registered must be reported immediately to the President's office, or the courses will not be permitted to count, and a charge of one dollar will be made for each change made in the course after it has been definitely registered.

Graduate students taking courses in scientific departments (Physics, Chemistry, Geology, Biology, and Psychology) amounting to six or more hours a week of lecture courses or its equivalent in laboratory courses are charged a laboratory fee of twenty-one dollars and fifty cents a semester with the following exceptions: if the student takes, as a regular student, courses in subjects not enumerated above amounting to six hours a week the laboratory fee is reduced to fifteen dollars a semester; and if she takes, as a regular student, courses in subjects not enumerated above amounting to ten hours a week the laboratory fee is reduced to seven dollars and a half a semester.

Graduate students taking less than six hours a week of lectures, or its equivalent in laboratory work, and graduate students taking one undergraduate laboratory course only

*Laboratory
Fees.*

* The fees charged are reckoned on the basis of the actual hours of conference or lecture, irrespective of the number of undergraduate hours to which the course is regarded as equivalent.

In counting the number of hours for which a graduate student is registered the following special arrangements are made in regard to laboratory courses: payment for a one-hour lecture course in a scientific department entitles the student to four hours of laboratory work in addition with no extra charge except the laboratory fee. Students registered for laboratory work only, are charged the following tuition fee: for each two and one-half hours of undergraduate laboratory course and for each five hours of graduate laboratory course the same fee as for a one-hour lecture course. The laboratory fees as stated below are charged in addition to the charge for tuition.

are charged a laboratory fee of fifteen dollars a semester for every laboratory course of four or more hours a week, and of seven dollars and fifty cents a semester for every laboratory course of less than four hours a week.

In courses in Geology each hour of field work counts as one hour of laboratory work.

All graduate students, including Fellows and Scholars, taking courses in the Department of Social Economy and Social Research are charged a laboratory fee of \$10 a semester, and may also be required to provide themselves with two 50-trip tickets between Bryn Mawr and Philadelphia costing \$9.18 cents each, and to meet their travelling and incidental expenses while working in the field during the semester and vacations. An allowance not exceeding fifty dollars will be made to each Fellow and Scholar towards these expenses. The fee for the certificate is \$10, and all Fellows and Scholars are expected to complete work for a certificate and are charged the \$10 certificate fee.

The fee for laboratory courses in Applied Psychology and Educational Psychology for graduate students is \$6 a semester.

Fees for Residence for Graduate Students.

The expense of board and residence in the graduate wings of the college halls is five hundred dollars. Of this amount four hundred dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance.*

Summary of Expenses for Graduate Students.

Tuition for the semester, payable on registration:

For one hour† a week of lectures.....	\$18.00
For two hours a week of lectures.....	36.00
For three hours a week of lectures.....	48.00
For four or five hours a week of lectures.....	65.00
For six or more hours a week of lectures.....	100.00
Room-rent for the academic year, payable on registration.....	100.00
Board for the semester payable on registration.....	200.00

Total expenses for the academic year:

Tuition fee, for six or more hours a week of lectures.....	200.00
Room-rent.....	100.00
Board.....	400.00
Infirmary fee.....	10.00

Total for tuition, residence, and infirmary care for the academic year.... \$710.00

Laboratory fees for the academic year.....\$12.00 to \$43.00

Resident graduate students are charged an infirmary fee of ten dollars a year. See pages 148 to 149.

A fee of \$3.50 a year is charged for the up-keep of the athletic fields.

The graduation fee for Doctors of Philosophy and Masters of Arts is twenty dollars.

Students whose fees are not paid by November first in the first semester or by March first in the second semester are not permitted to continue in residence or in attendance on their classes.

* For a statement of the conditions under which the fee for board may be reduced in case of prolonged illness and absence from the college, see page 192.

† See footnote, page 201.

Scholarships and Fellowships.

The Bryn Mawr European Fellowship of the value of \$500 was founded in 1889. It is awarded annually to a member of the graduating class of Bryn Mawr College on the ground of excellence in scholarship. The fellowship is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

*European
Travelling
Fellow-
ships.*

The President M. Carey Thomas European Fellowship of the value of \$500 was founded in 1896 by Miss Garrett of Baltimore and is awarded annually on the ground of excellence in scholarship to a student in her first year of graduate work at Bryn Mawr College. The fellowship is to be applied towards the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

The Mary Elizabeth Garrett European Fellowship of the value of \$500 was founded in 1894 by Miss Garrett of Baltimore and is awarded annually on the ground of excellence in scholarship to a student still in residence who has for two years pursued graduate studies at Bryn Mawr College. The fellowship is to be applied towards the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

These fellowships are awarded to assist candidates for the Doctor's degree at Bryn Mawr College to complete their preparation. It is therefore understood that holders of the President M. Carey Thomas and Mary Elizabeth Garrett Fellowships will not present themselves as candidates for the degree of Doctor of Philosophy elsewhere than at Bryn Mawr College.

The Anna Ottendorfer Memorial Research Fellowship in German and Teutonic Philosophy of the value of \$700 was founded in 1907 by Mrs. Anna Woerishoffer of New York City in memory of her mother. It is intended to defray the expenses of one year's study and residence at some German university and is awarded annually to a graduate student who has com-

pleted at least one year of graduate study at Bryn Mawr College but is not necessarily still in residence when making application for the fellowship. The fellowship will be awarded to the candidate who shows such proficiency in her studies or in independent work as to furnish reason to believe that she will be able to conduct independent investigations in the field of Teutonic Philology or German. The choice of a university may be determined by the holder's own preference subject to the approval of the Faculty. Application for the fellowship should be addressed to the President before March first.

The Helene and Cecil Rubel Foundation Fellowship of the value of \$1,500 was founded in 1920 by Miss Helen Rubel, of New York City, to be awarded in each year by the Faculty of Bryn Mawr College with the approval of the donor. The fellowship may be awarded to any woman who has at any time studied in the graduate school of Bryn Mawr College long enough to have shown her ability irrespective of whether her work was planned to lead to a degree or not. The fellowship may be held at any centre of education that may be selected by the student and approved by the Faculty as best suited to her individual needs, or may, in special cases, be used as a travelling fellowship to give opportunity for the study of conditions in which the student may be interested in different parts of the world. The fellowship shall not necessarily be offered as an aid to study for a higher degree, but may be used by the holder, with the approval of the faculty, in whatever way may best advance the purpose she has in mind. The fellowship shall be awarded to the best student but if she can afford to carry out her plans with her own income she shall return the amount of the fellowship to the college to be used by another student in the same year. Application for the fellowship should be addressed to the President before March first.

*Resident
Fellow-
ships.*

The Helen Schaeffer Huff Memorial Research Fellowship founded in 1913, is awarded annually to a student desiring to carry on research in either Physics or Chemistry, to be held during one year's work at Bryn Mawr College. The value of the Fellowship in 1923-24 will be twelve hundred dollars.

Applicants for this fellowship must be students who **have** done advanced graduate work at Bryn Mawr College or at

other colleges or universities and have shown capacity for research. The award of the fellowship will depend primarily upon the record of the applicant as a research student. Where equally good candidates are considered, preference will be given to a student working on problems which may be considered to lie along the borderline between Chemistry and Physics. The fellowship may under exceptional circumstances be awarded in consecutive years to the same student, or the fellowship may be given to a graduate student studying at Bryn Mawr College to be held during one year's work at some other American college or university if in the opinion of the Committee it is imperative for that student to go to some other college or university in order to complete an important piece of investigation. Application for the fellowship should be addressed to the President before April first.

Twenty-one resident fellowships, of the value of eight hundred and ten dollars each, are awarded annually in Greek, Latin, English, Romance Languages, Semitic Languages and Biblical Literature, History, Philosophy, Psychology, Education, Archæology, History of Art, Mathematics, Physics, Chemistry, Geology, and Biology, the Justus C. Strawbridge Fellowship in Economics and Politics, two Carola Woerishoffer Memorial Fellowships in Social Economy and Social Research, and two Grace H. Dodge Memorial Fellowships in Industrial Relations and Personnel Administration. They are open for competition to graduates of Bryn Mawr College, or of any other college of good standing, and will be awarded only to candidates who have completed at least one year of graduate work after obtaining their first degree. The fellowships are intended as an honour, and are awarded in recognition of previous attainments; generally speaking, they will be awarded to the candidates that have studied longest or to those whose work gives most promise of future success.

Fellows are expected to attend all college functions, to wear academic dress, to assist in the conduct of examinations, and to give about an hour a week to the care of special libraries in the halls of residence and in the seminaries, but no such service may be required of them except by a written request from the President's office; they are not permitted while holding the fellow-

*Duties of
Resident
Fellows.*

ship to teach, or to undertake any other duties in addition to their college work. They are expected to uphold the college standards of scholarship and conduct and to give loyal support to the Students' Association for Self-Government. They are required to reside in the college and are assigned rooms by the Secretary of the College. They are charged the usual fee of seven hundred and ten dollars for tuition, board, room-rent, and infirmary fee.

The holder of a fellowship is expected to devote at least one-half her time to the department in which the fellowship is awarded, and to show by the presentation of a thesis or in some other manner that her studies have not been without result.

*Resident
Graduate
Scholar-
ships.*

Twenty Graduate Scholarships, of the value of three hundred and fifty dollars each, may be awarded to candidates next in merit to the successful candidates for the fellowships; they are also open for competition to graduates of Bryn Mawr College, or of any other college of good standing. Scholars may undertake, while holding a scholarship, only a very limited amount of teaching or other paid work approved in advance by the President's office.

The Susan B. Anthony Memorial Research Scholarship in Social Economy and Social Research or in Politics, of the value of five hundred and fifty dollars, was founded in 1910 by the Executors of the late Susan B. Anthony, the late Dr. Anna Howard Shaw and Miss Lucy E. Anthony, in memory of Susan B. Anthony's work for women's college education. It is awarded to the candidate wishing to devote herself to studies dealing with the position of women in industry and politics whose work shows most promise of future success. The holder is required to complete for publication a study in one or the other of these subjects, and one-half the amount of the scholarship, two hundred and seventy-five dollars, will be retained by the College until the above study, approved by the Department and in complete form for publication, is filed in the President's office.

The Robert G. Valentine Memorial Scholarship in Social Economy and Social Research of the value of three hundred and fifty dollars is offered by Mrs. Frank W. Hallowell of

Chestnut Hill, Massachusetts, to be awarded by the President and Faculty of Bryn Mawr College on the recommendation of the Director of the Carola Woerishoffer Department of Social Economy and Social Research to a candidate approved by the donor. It is open to graduates of Bryn Mawr College or of any other college of good standing.

Several Grace H. Dodge Memorial Scholarships in Social Economy in preparation for Industrial Relations and Personnel Management, on the Grace H. Dodge Foundation of the value of three hundred and fifty dollars each, are offered in the Carola Woerishoffer Department of Social Economy, open for competition to graduates of Bryn Mawr College or of any other college of good standing.

A resident Intercollegiate Community Service Association and Bryn Mawr College joint fellowship* was established in 1915 and is offered by the Intercollegiate Community Service Association and by some alumnae of Bryn Mawr College to a Bryn Mawr College graduate who wishes to prepare herself for settlement work. The value of the fellowship is \$650, \$200 of which is given by the college to meet the tuition fee. The holder of the fellowship is required to live in the College Settlement in Philadelphia and to give her entire time to the work of the Department of Social Economy. There is a charge of \$7.00 a week for board and lodging in the Settlement and in addition to the usual charge of \$200 for the graduate tuition fee in Bryn Mawr College, the usual laboratory and transportation fees. Applications may be sent to the President of Bryn Mawr College.

Two additional joint fellowships of the value of \$450 are offered by the Intercollegiate Community Service Association in conjunction with Smith College and Wellesley College, to graduates of Smith College and Wellesley College, respectively, who wish to prepare themselves for community service. These fellowships may be held in connection with the College Settlement of Philadelphia.

Opportunity is offered by the College Settlement of Philadelphia for two graduate students to reside at the settlement

* The term fellowship is used here because adopted by the Intercollegiate Community Service Association. The condition of one year's graduate study required of candidates for Bryn Mawr College resident fellowships does not apply.

paying a minimum rate of board, to take at least six hours of practice work at the Settlement, and to pursue courses in the Carola Woerishoffer Graduate Department.

***Scholar-
ships for
European
Women.***

Nine graduate scholarships of the value of seven hundred and twenty dollars each are available for distribution to European women students. In general three will be awarded to British women, three to French women and three to women belonging to other European countries. They are open for competition to all women of the prescribed nationality whose academic work has reached a standard equivalent to that denoted by the Bachelor's degree of an American college or university of acknowledged standing. Renewal of these scholarships for a second year will not be granted except in very exceptional cases.

Holders of the scholarships are required to be in continuous residence at the college and to follow regular approved courses of study. The scholarships are of the value of \$720 and cover only the fees for board, residence, and tuition at Bryn Mawr College for one academic year. In addition those holders of scholarships who so desire may, if possible, be given an opportunity to teach or do some other kind of work in the college for not more than five hours a week. The scholars are not permitted to accept any paid position except as arranged by the college. Holders of the scholarships must meet their own travelling expenses. A furnished single room in the graduate wing of one of the halls of residence is assigned to each scholar, but this is not available in the Christmas and Easter vacations when scholars who remain at the college have to pay the expenses of board and residence.*

***Duties of
Resident
Scholars.***

Scholars are expected to reside in the college, to attend all college functions, to wear academic dress and to assist in the conduct of examinations. They may undertake, while holding a scholarship only a very limited amount of teaching or other paid work, approved in advance by the President's office. It is understood that they will uphold the college standards of scholarship and conduct and give loyal support to the Students' Association for Self-Government.

Application for resident fellowships or scholarships should be

* For the rates see page 200.

made to the President of the College on a form obtained from the President's office, as early as possible, and not later than the first* of April preceding the academic year for which the fellowship or scholarship is desired. A definite answer will be given within about two weeks from the latest date set for receiving applications. Any original papers, printed or in manuscript, which have been prepared by the applicant and sent in support of her application will be returned when stamps for that purpose are enclosed, or specific directions for return by express are given. Letters or testimonials will be filed for reference.

*Applications
for Resident
Fellowships
and
Scholarships*

* Applications for the scholarships for foreign women should be accompanied by full particulars of the candidate's academic work, by diplomas or certificates, and by letters of recommendation from professors, and should be addressed to the office of the Recording Dean, Bryn Mawr College, Bryn Mawr, Pennsylvania, U. S. A., if possible by May the first, or in the case of French students they may be addressed to M. Petit Dutailis, Office National des Universités et Ecoles Françaises, 96 Boulevard Raspail, Paris. This office will assist French scholars with a 30 per cent rebate on the cost of their passage over and back and a monthly allowance for incidental expenses.

MATRICULATION EXAMINATION SCHEDULES

SPRING, 1923.

TUESDAY, MAY 29.

<i>Minor Latin, A</i>	9.30-12.30	<i>Minor Latin, B</i>	2.30- 5.30
<i>Trigonometry</i>	9.30-11.30	<i>Solid Geometry</i>	2.30- 4.30

WEDNESDAY, MAY 30.

<i>Physics</i>	10.00-12.00
<i>English Composition</i>	2.00- 4.00

THURSDAY, MAY 31.

<i>English Literature</i>	9.30-12.30
<i>Latin Prose Authors</i>	2.00- 4.00

FRIDAY, JUNE 1.

<i>Geometry</i>	9.30-12.00
<i>Ancient History</i>	2.00- 4.00
<i>Latin Poets</i>	4.15- 5.45

SATURDAY, JUNE 2.

<i>French Grammar and Composition</i>	9.30-10.30
<i>French Translation</i>	10.45-12.45
<i>English History or American History</i>	2.00- 4.00

MONDAY, JUNE 4.

<i>Algebra</i>	9.30-12.00
<i>Latin Composition</i>	2.00- 3.30
<i>Science, Physiology and Hygiene, or Chemistry, or Botany, or Physical Geography</i>	3.45- 5.15

TUESDAY, JUNE 5.

<i>German Grammar and Composition</i>	9.30-10.30
<i>German Translation</i>	10.45-12.45
<i>Greek Grammar and Composition</i>	2.00- 3.00
<i>Greek Prose Authors</i>	3.05- 4.05
<i>Greek Poets</i>	4.10- 5.10

Greek as above (any two points).

or

French Grammar and Composition and Translation..... 2.00- 4.00

or

German Grammar and Composition and Translation..... 2.00- 4.00

or

Spanish Grammar and Composition and Translation..... 2.00- 4.00

or

Italian Grammar and Composition and Translation..... 2.00- 4.00

no point
tional lan-
age exami-
tions.

AUTUMN, 1923.

MONDAY, SEPTEMBER 24.

<i>Physics</i>	10.00-12.00
<i>English Composition</i>	2.00- 4.00

TUESDAY, SEPTEMBER 25.

<i>English Literature</i>	9.30-12.30
<i>Latin Prose Authors</i>	2.00- 4.00

WEDNESDAY, SEPTEMBER 26.

<i>Geometry</i>	9.30-12.00
<i>Ancient History</i>	2.00- 4.00
<i>Latin Poets</i>	4.15- 5.45

THURSDAY, SEPTEMBER 27.

<i>French Grammar and Composition</i>	9.30-10.30
<i>French Translation</i>	10.45-12.45
<i>English History or American History</i>	2.00- 4.00

FRIDAY, SEPTEMBER 28.

<i>Algebra</i>	9.30-12.00
<i>Latin Composition</i>	2.00- 3.30
<i>Science, Physiology and Hygiene, or Chemistry, or Botany, or Physical Geography</i>	3.45- 5.15

SATURDAY, SEPTEMBER 29.

<i>German Grammar and Composition</i>	9.30-10.30
<i>German Translation</i>	10.45-12.45
<i>Greek Grammar and Composition</i>	2.00- 3.00
<i>Greek Prose Authors</i>	3.05- 4.05
<i>Greek Poets</i>	4.10- 5.10

Greek as above (only two points).

<i>or</i>		} <i>Two optional language nations</i>
<i>French Grammar and Composition and Translation</i>	2.00— 4.00	
<i>or</i>		
<i>German Grammar and Composition and Translation</i>	2.00— 4.00	
<i>or</i>		
<i>Spanish Grammar and Composition and Translation</i>	2.00— 4.00	
<i>or</i>		
<i>Italian Grammar and Composition and Translation</i>	2.00— 4.00	

THURSDAY, OCTOBER 4.

<i>Minor A, Latin</i>	9.30-12.30
<i>Trigonometry</i>	2.30- 4.30

FRIDAY, OCTOBER 5.

<i>Minor Latin, B</i>	9.30-12.30
<i>Solid Geometry</i>	2.30- 4.30

SPRING, 1924.

TUESDAY, MAY 27.

<i>Minor Latin, A</i>	9.30-12.30	<i>Minor Latin, B</i>	2.30- 5.30
<i>Trigonometry</i>	9.30-11.30	<i>Solid Geometry</i>	2.30- 4.30

WEDNESDAY, MAY 28.

<i>Physics</i>	10.00-12.30
<i>Ancient or American History</i>	2.00- 4.00

THURSDAY, MAY 29.

<i>English</i>	9.30-12.30
<i>Latin Prose Authors and Composition</i>	2.00- 4.30

FRIDAY, MAY 30.

<i>Plane Geometry</i>	9.30-12.00
<i>German</i>	2.00- 5.00
<i>Greek Prose Authors and Composition</i>	2.00- 4.00
<i>Greek Poets</i>	4.15- 5.15

SATURDAY, MAY 31.

<i>French</i>	9.30-12.30
<i>Latin Poets</i>	2.00- 3.30

MONDAY, JUNE 2.

<i>Algebra</i>	9.30-12.00
<i>Two-year Latin</i>	2.00- 3.30

AUTUMN, 1924.

MONDAY, SEPTEMBER 22.

<i>Physics</i>	10.00-12.30
<i>Ancient or American History</i>	2.00- 4.30

TUESDAY, SEPTEMBER 23.

<i>English</i>	9.30-12.30
<i>Latin Prose Authors and Composition</i>	2.00- 4.30

WEDNESDAY, SEPTEMBER 24.

<i>Plane Geometry</i>	9.30-12.00
<i>German</i>	2.00- 5.00
<i>Greek Prose Authors and Composition</i>	2.00- 4.00
<i>Greek Poets</i>	4.15- 5.15

THURSDAY, SEPTEMBER 25.

<i>French</i>	9.30-12.30
<i>Latin Poets</i>	2.00- 3.30

FRIDAY, SEPTEMBER 26.

<i>Algebra</i>	9.30-12.00
<i>Two-year Latin</i>	2.00- 3.30

THURSDAY, OCTOBER 2.

<i>Minor Latin, A</i>	9.30-12.30
<i>Trigonometry</i>	2.30- 4.30

FRIDAY, OCTOBER 3.

<i>Minor Latin, B</i>	9.30-12.30
<i>Solid Geometry</i>	2.30- 4.30

SPRING, 1925.

TUESDAY, MAY 26.

<i>Minor Latin, A</i>	9.30-12.30	<i>Minor Latin, B</i>	2.30- 5.30
<i>Trigonometry</i>	9.30-11.30	<i>Solid Geometry</i>	2.30- 4.30

WEDNESDAY, MAY 27.

<i>Physics</i>	10.00-12.30
<i>Ancient or American History</i>	2.00- 4.00

THURSDAY, MAY 28.

<i>English</i>	9.30-12.30
<i>Latin Prose Authors and Composition</i>	2.00- 4.30

FRIDAY, MAY 29.

<i>Plane Geometry</i>	9.30-12.00
<i>German</i>	2.00- 5.00
<i>Greek Prose Authors and Composition</i>	2.00- 4.00
<i>Greek Poets</i>	4.15- 5.15

SATURDAY, MAY 30.

<i>French</i>	9.30-12.30
<i>Latin Poets</i>	2.00- 3.30

MONDAY, JUNE 1.

<i>Algebra</i>	9.30-12.00
<i>Two-year Latin</i>	2.00- 3.00

AUTUMN, 1925.

MONDAY, SEPTEMBER 21.

<i>Physics</i>	10.00-12.30
<i>Ancient or American History</i>	2.00- 4.30

TUESDAY, SEPTEMBER 22.

<i>English</i>	9.30-12.30
<i>Latin Prose Authors and Composition</i>	2.00- 4.30

WEDNESDAY, SEPTEMBER 23.

<i>Plane Geometry</i>	9.30-12.00
<i>German</i>	2.00- 5.00
<i>Greek Prose Authors and Composition</i>	2.00- 4.00
<i>Greek Poets</i>	4.15- 5.15

THURSDAY, SEPTEMBER 24.

<i>French</i>	9.30-12.00
<i>Latin Poets</i>	2.00- 3.30

FRIDAY, SEPTEMBER 25.

<i>Algebra</i>	9.30-12.00
<i>Two-year Latin</i>	2.00- 3.30

THURSDAY, OCTOBER 1.

<i>Minor Latin, A</i>	9.30-12.30
<i>Trigonometry</i>	2.30- 4.30

FRIDAY, OCTOBER 2.

<i>Minor Latin, B</i>	9.30-12.30
<i>Solid Geometry</i>	2.30- 4.30

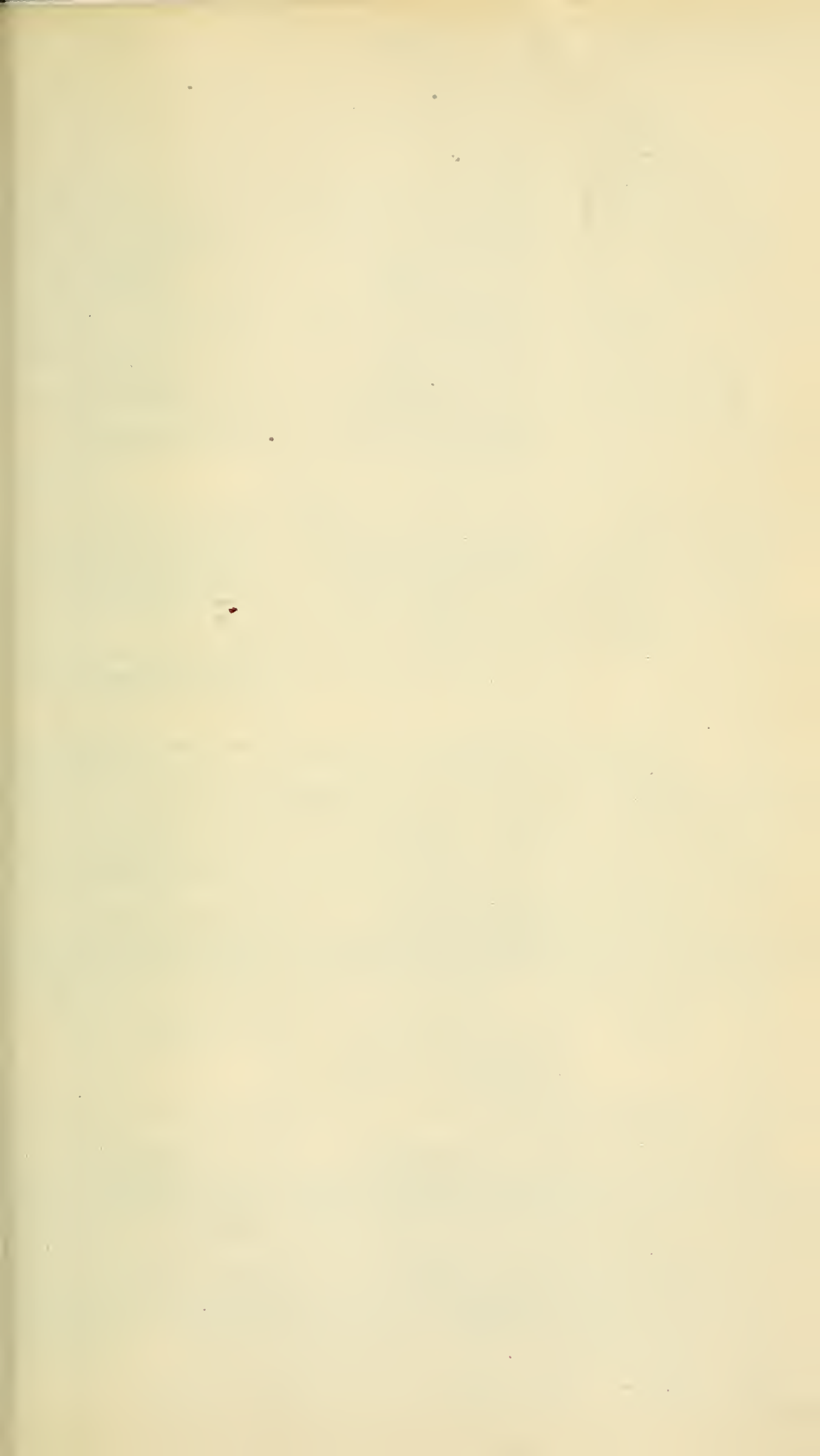
INDEX

	PAGE
Academic Appointments.....	9-17
Academic Year.....	4-6
Administration, Officers of.....	8
Admission,	
Applications for.....	162
Of Graduate Students.....	49-50
Of Hearers.....	50-51, 174
Of Undergraduate Students.....	50, 163-173
On Certificates.....	173-174
Requirements for.....	49-51, 163-173
Advanced Standing.....	167-168
American History.....	192-193, 162-173
Anglo-Saxon.....	66, 69
Applications, for Admission.....	162
for Fellowships and Scholarships.....	209
for Undergraduate Scholarships.....	193-198
for Rooms.....	189-191, 199-200
Arabic.....	87
Aramaic.....	87
Archæology.....	87, 118-120
Assyrian.....	87
Athletics.....	144-145
Bequest, Form of.....	198
Biblical Literature.....	84-87
Biology.....	142-146
British Scholarships.....	208
Buildings.....	150-153
Calendar.....	3
Carola Woerishoffer Department.....	97-108
Certificates for Admission.....	163-166, 173-174
Chemistry.....	134-137
College Entrance Examination	
Board.....	172-173
Comparative Philology.....	53-54
Course, Elective.....	52, 176
Major.....	51, 176
Minor.....	51, 176
Post-Major.....	52
Required.....	51, 175-176
Courses of Study,	
In Language and Literature.....	52-53
Tabular Statement of.....	178
Courses of Instruction,	
In American History.....	89, 90-91
In Ancient History.....	89
In Anglo-Saxon.....	66, 69
In Archæology.....	87, 118-120
In Biblical Literature.....	84-87
In Biochemistry.....	145
In Biology.....	142-146
In Chemistry.....	134-137
In Classical Archæology.....	118-120
In Comparative Philology.....	53-54, 81-83
In Economics and Politics.....	93-97
In Education.....	114-117
In Electricity.....	131-134
In Embryology.....	144
In Employment Management.....	105-106
In English.....	63-70
In English Diction.....	64, 65, 68
In Ethics.....	109, 110
In French.....	71-75
In Geography.....	140
In Geology.....	137-142
In German.....	79-83
In Germanic Philology.....	81-83
In Gothic.....	83
In Greek.....	54-59
In History.....	87-92
In History of Art.....	121-123
In History of Mathematics.....	127
In History of Religions.....	85-87

	PAGE
Courses of Instruction,	
In Hygiene.....	147, 176
In Industrial Relations.....	105
In Italian.....	76-77
In Language and Literature.....	52-53
In Latin.....	59-63
In Law.....	94, 95, 106
In Logic.....	110
In Mathematics.....	126-128
In Metaphysics.....	110
In Modern History.....	84-92
In Music.....	123-126
In Organic Chemistry.....	134-137
In Oriental History.....	84-85
In Philosophy.....	108-111
In Physical Training.....	146-147
In Physics.....	130-134
In Physiology.....	141, 143
In Psychology.....	111-114
In Political Science.....	93-97
In Romance Languages.....	71-79
In Sanskrit.....	54
In Semitic Languages.....	84-87
In Social Economy.....	97-108
In Social Research.....	97-108
In Spanish.....	77-79
In Spectroscopy.....	133
In Statistics.....	101, 105
In Theory of Heat.....	131, 132
In Theory of Light.....	131
In Theory of Sound.....	131, 133
In Trigonometry.....	126, 127
In Zoology.....	142-146
Degrees, Requirements for,	
Of Bachelor of Arts.....	175-184
Of Doctor of Philosophy.....	186-188
Of Master of Arts.....	184-186
Directors.....	87
Dissertations.....	188
Economics and Politics.....	93-97
Education.....	18-19, 114-117
Elective, Free.....	52, 176
Electricity.....	131-134
Embryology.....	144
English.....	63-70
Ethics.....	109, 110
Examinations, Schedule of.....	end
College Entrance Examination	
Board.....	172-173
Collegiate.....	end
For Advanced Standing.....	72, 76
Where held.....	78, 80, 167-168
For Matriculation.....	163-174, 222-225
Where held.....	165-167
Executive Staff.....	8
Expenses.....	191-192, 200-202
Faculty.....	9-14
Fees,	
For Board.....	191-192, 202
For Examinations.....	165, 166, 167
For Graduate Students.....	200-202
For Laboratories.....	191, 201-202
For Residence.....	191-192, 200-202
For Tuition.....	191-192, 200-202
For Undergraduate Students.....	191-192
Fellowships,	
Applications for.....	209
European.....	203-204
Holders of.....	21-22
Resident.....	204-206
French.....	71-75
French Scholarships.....	208
Geology.....	137-142

	PAGE
German.....	78-84
Greek.....	54-59
Graduate Courses,	
In Anglo-Saxon.....	69
In Arabic.....	87
In Aramaic.....	87
In Archæology, Classical.....	120
In Archæology, Oriental.....	87
In Assyrian.....	87
In Biology.....	145-146
In Chemistry.....	136-137
In Chemistry, Organic.....	137
In Classical Archæology.....	120
In Community Organization.....	103-104
In Comparative Philology	
(Aryan).....	53-54
In Comparative Philology	
(Germanic).....	81-83
In Economics and Politics.....	96-97
In Education.....	115-117
In Employment Management.....	105
In English.....	68-70
In English Literature.....	68-70
In Ethics.....	110
In French.....	73-75
In French Philology.....	74-75
In Geology.....	141-142
In German.....	81-83
In Gothic.....	83
In Greek.....	57-59
In Hebrew.....	86
In History.....	91-92
In History of Art.....	122-123
In Italian.....	77
In Labour Organization.....	102
In Industrial Relations.....	105
In Latin.....	61-63
In Law.....	95, 106
In Mathematics.....	128
In Metaphysics.....	110
In Middle English.....	69
In Music.....	125-126
In Old French Philology.....	74
In Organic Chemistry.....	137
In Philology (Comparative).....	53-54
In Philology (Germanic).....	81-83
In Philosophy.....	110-111
In Physical Chemistry.....	137
In Physics.....	133-134
In Physiology.....	145
In Political Science.....	96-97
In Psychology.....	113-114
In Romance Languages.....	73-79
In Sanskrit.....	54
In Semitic Languages.....	86-87
In Social Economy.....	97-108
In Social Research.....	97-108
In Spanish.....	79
In Statistics.....	105
In Syriac.....	87
In Zoölogy.....	145-146
Graduate Scholarships.....	206-209
For European Women.....	208
Graduate Students, Fees.....	200-202
Greek.....	54-59
Group System.....	178-184
Groups, Tabular Statement of.....	178-179
Gymnasium.....	152
Health.....	147-149
Hearers.....	50-51, 174
Hebrew.....	85, 86
History.....	87-90
Hygiene.....	147, 176

	PAGE
Infirmary.....	148-149, 152
Italian.....	76-77
Laboratories.....	129, 150-152
Language Examinations.....	176-177
Latin.....	59-63
Lectures, Schedule of.....	end
Library.....	148-149, 153-162
Loan Fund.....	193
Master of Arts Degree.....	184-186
Mathematics.....	126-128
Matriculation Examinations,	
Where held.....	165-166
Matriculation, Requirements for,	
In English.....	169-170
In French.....	171
In German.....	171-172
In Greek.....	172
In Latin.....	169
In History.....	170-171
In Mathematics.....	168
In Science.....	171
Medicine, Course Preliminary to.....	129-130
Merit Law.....	175
Mineralogy.....	140
Music.....	123-126
Music Rooms.....	152
Officers of Administration.....	8
Pedagogy.....	114-117
Periodicals, List of.....	154-164
Phebe Anna Thorne Endowment.....	114-115
Philology, Comparative.....	53-54
Philology, Germanic.....	81-83
Philosophy.....	108-111
Physical Training.....	146-147
Physicians.....	17
Physics.....	130-134
Physiology.....	143-145
Preliminary Medical Course.....	129-130
Prizes.....	198
Psychology.....	111-114
Residence.....	189-192, 199-200
Romance Languages.....	71-79
Room Deposit.....	189-191, 199-200
Room Rent.....	191-192, 202
Sanskrit.....	54
Schedule of Examinations.....	end
Schedule of Lectures.....	end
Science.....	129-146
Scholarships.....	190-198, 206-209
Secretaries, Honorary Corresponding....	20
Semitic Languages.....	84-87
Social Economy.....	97-108
Social Research.....	97-108
Spanish.....	77-79
Students,	
Alphabetical List of.....	21-48
Graduate.....	21-28
Summary of.....	48
Undergraduate.....	28-48
Studies Leading to the Degree of	
A.B.....	175-184
Leading to a Second Degree.....	184-188
Required.....	175-178
Swimming.....	146, 147, 152
Syriac.....	87
Trigonometry.....	126, 127
Trustees.....	7
Tuition Fees.....	191-192, 200-201
Vacations, Board during.....	192, 200
Vaccination.....	147
Wardens.....	16-17
Worship, Opportunities for.....	149



Hour	Course	Monday	Tuesday
8	ELEMENTARY GENERAL ELECTIVE	French (Gilman) Italian (—) German (Schafheitlin) Psychology (Leuba) Educational Psychology (—)	French (Gilman) Italian (—) German (Schafheitlin) Psychology (Leuba) Education (—)
9	ELEMENTARY MINOR MAJOR ELECTIVE GRADUATE	Greek (Kirk) Greek, Plato (Sanders) French, Reading and Composition, Div. A (Gilman) French Literature, Div. B (Pardé) Spanish (De Haan) Economics, Introduction to, Div. B (—) Mathematics, Conics (Scott) Chemistry (Brunel) Geology (Bascom) Italian (W. L. Bullock) Medieval Art (G. G. King) History of the Near East (—) Ancient Civilization (David) Biology, Theoretical (Tennent) Industrial Supervision Field Work (Jeter), 8-5 Social Economy, Social Treatment (Deardorff, Additon), 9-11 Physics (Barnes)	Greek (Kirk) Greek, Homer (Wright) French Literature, Div. A (Schenck) French Reading and Comp. Div. B (Pardé) Spanish (De Haan) Economics, Introduction to, Div. B (—) Mathematics, Trigonometry (Scott) Chemistry (Brunel) Geology (Bascom) Italian (W. L. Bullock) 17th and 18th Cent. Painting (Rowley) Old Testament Literature (—) British Imperialism (W. R. Smith) Advanced Harmony (Alwyne) Industrial Relations (Jeter), 9-11 Mental Tests, Field Work (Rand), 9-5
10	GENERAL MINOR MAJOR ELECTIVE POST-MAJOR GRADUATE	English Literature, 2nd year (Donnelly) English, 19th Century Critics (Chew) Middle English Romances (Brown) German Literature (Schafheitlin) History of Europe, Div. A (David) Ancient Architecture (Dohan) Biology (Tennent) Philosophy, Kant to Spencer (G. de Laguna) Elements of Law (Fenwick) Physics (Huff) Chemistry (Brunel) Petrography (Bascom)	English Literature, 2nd year (Donnelly) English, 19th Century Critics (Chew) Middle English Romances (Brown) German Reading (Prokosch) History of Europe, Div. A (David) Hellenistic Towns (Dohan) Biology (Tennent) Philosophy, Kant to Spencer (G. de Laguna) Modern French Literature (Schenck) Natural Resources (Bissell) Physical Chemistry (Crenshaw)
11	GENERAL MINOR MAJOR ELECTIVE GRADUATE	English Composition, 1st year (H. B. Bullock) Economics, Introduction to, Div. A (M. P. Smith) Philosophy, Ethics (T. de Laguna) Greek Sculpture (Dohan) Latin, Tacitus (Wheeler) Spanish Reading (De Haan) German (Schafheitlin) History of the Renaissance (Gray) Psychology, Social Psychology (Leuba) Physics (Barnes) Chemistry (Crenshaw) Systematic Psychology (Ferree) Seminary in Social Relief (Additon, Deardorff), 11-1 Community Organization (White), 11-1. Alternate Weeks	English Composition, 1st year (H. B. Bullock) Economics, Introduction to, Div. A (M. P. Smith) Philosophy, Ethics (T. de Laguna) Ancient Painting (Swindler) Latin Literature (Ballou) Spanish Literature (De Haan) German (Prokosch) History of the Renaissance (Gray) Psychology, Social Psychology (Leuba) Physics (Barnes) Chemistry (Crenshaw) Greek Religion and Myths (Wright) Statistics (Kingsbury)
12	ELEMENTARY MINOR MAJOR ELECTIVE GRADUATE	Spanish (—) Latin, Cicero, Div. A (Wheeler) Div. B (Swindler) Italian (W. L. Bullock) History of Europe, Div. B (W. R. Smith) Psychology Experimental (Ferree and Rand) Italian Renaissance Painting (G. G. King) Physics (Huff) Greek, Demosthenes (Sanders) English Drama (Chew) French Literature (Pardé) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology (Bissell) Biology (Schrader) Advanced History of Music (Surette, Alwyne) Chemistry (Brunel)	Spanish (—) Latin, Horace, Div. A (Swindler) Div. B (Ballou) Italian (W. L. Bullock) History of Europe, Div. B (W. R. Smith) Psychology, Experimental (Ferree and Rand) Art of the Far East (Rowley) Physics (Huff) Greek Literature (Wright) English Drama (Chew) French Reading and Composition (Gilli) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology (Bissell) Biology (Schrader) Chemistry (Brunel)

WEDNESDAY	THURSDAY	FRIDAY
French (Gilman) Italian (—) German (Schafheitlin) Psychology (Leuba) Educational Psychology (—)	French (Gilman) Italian (—) German (Schafheitlin) Psychology (Leuba) Education (—)	French (Gilman) Italian (—) German (Schafheitlin) Psychology (Leuba) Educational Psychology (Arlett)
Greek (Kirk) Greek, Plato (Sanders) French, Reading and Composition, Div. A (Gilman) French Literature Div. B. (Pardé) Spanish (De Haan) Economics, Introduction to, Div. B (—) Mathematics, Conics (Scott) Chemistry (Brunel) Geology (Bascom) Italian (W. H. Bullock) Medieval Art (G. G. King) History of the Near East (—) Ancient Civilization (David)	Greek (Kirk) Greek, Homer (Wright) French Literature, Div. A (Schenck) French Reading and Comp., Div. B (Pardé) Spanish (De Haan) Economics, Introduction to, Div. B (—) Mathematics, Trigonometry (Scott) Chemistry, Demonstration (Brunel) Geology, Demonstration (Bascom) Italian (W. H. Bullock) 17th and 18th Cent. Painting (Rowley) Old Testament Literature (—) British Imperialism (W. R. Smith) Advanced Harmony (Alwyne)	Greek (Kirk) Greek, Sophocles (Sanders) French Reading and Composition, Div. A (Gilman) French Literature, Div. B (Pardé) Spanish (De Haan) Economics, Introduction to, Div. B (—) Mathematics, Conics (Scott) Chemistry (Brunel) Geology (Bascom) Italian (W. H. Bullock) Medieval Art (G. G. King) History of the Near East (—) Ancient Civilization (David) Physical Basis of Music (Huff)
Social Economy Practicum (Jeter). Alter- nate Weeks, 9-11 Physics (Barnes)	Seminary in Applied Psychology (Rand), 9-11 Physics Journal Club (Huff and Barnes) Biology Journal Club (Tennent, Yates, Schrader)	Seminary in Social and Industrial Research (Kingsbury), 9-11 Physics (Barnes)
English Literature, 2nd year (Donnelly) English, 19th Century Critics (Chew) Middle English Romances (Brown) German Literature (Schafheitlin) History of Europe, Div. A (David) Ancient Architecture (Dohan) Biology (Tennent) Philosophy, Kant to Spencer (G. de Laguna) Cosmogony (Bascom) Physics (Huff) Chemistry (Brunel) Seminary in Educational Research (—), 10-12	English Literature, 2nd year (Donnelly) English, 19th Century Critics (Chew) Middle English Romances (Brown) German Reading (Prokosch) History of Europe, Div. A (David) Hellenistic Towns (Dohan) Biology, Demonstration (Tennent) Philosophy, Kant to Spencer (G. de Laguna) Modern French Literature (Schenck) Physical Chemistry (Crenshaw) Applied Psychology (Rand), 10-12 Petrography (Bascom)	English Literature, 2nd year (Donnelly) English, 19th Century Critics (Chew) Middle English Romances (Brown) German Literature (Schafheitlin) History of Europe, Div. A (David) Ancient Architecture (Dohan) Biology (Tennent) Philosophy, Kant to Spencer (G. de Laguna) Physics (Huff) Chemistry (Brunel) Petrography (Bascom)
English Composition, 1st year (H. B. Bullock) Economics, Introduction to, Div. A (M. P. Smith) Philosophy, Ethics (T. de Laguna) Greek Sculpture (Dohan) Latin, Tacitus (Wheeler) Spanish Grammar (De Haan) German (Schafheitlin) History of the Renaissance (Gray) Psychology, Social Psychology (Leuba) Physics (Barnes) Chemistry (Crenshaw) Systematic Psychology (Ferree)	English Composition, 1st year (H. B. Bullock) Economics, Introduction to, Div. A (M. P. Smith) Philosophy, Ethics (T. de Laguna) Ancient Painting (Swindler) Latin Literature (Ballou) Spanish Literature (De Haan) German (Prokosch) History of the Renaissance (Gray) Psychology, Social Psychology (Leuba) Physics Laboratory (Barnes) Chemistry Laboratory (Crenshaw) Greek Religion and Myths (Wright) Seminary in Industrial Supervision (—), 11-1	English Composition, 1st year (H. B. Bullock) Economics, Introduction to, Div. A (M. P. Smith) Philosophy, Ethics (T. de Laguna) Greek Sculpture (Dohan) Latin, Tacitus (Wheeler) Spanish Reading (De Haan) German (Schafheitlin) History of the Renaissance (Gray) Psychology, Social Psychology (Leuba) Physics Laboratory (Barnes) Chemistry Laboratory (Crenshaw)
Spanish (—) Latin, Cicero, Div. A (Wheeler) Div. B (Swindler) Italian (W. L. Bullock) History of Europe, Div. B (W. R. Smith) Psychology, Experimental (Ferree and Rand) Italian Renaissance Painting (G. G. King) Physics (Huff) Greek, Aristophanes (Sanders) English Drama (Chew) French Literature (Pardé) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology (Bissell) Biology (Schrader) Advanced History of Music (Surette, Alwyne)	Spanish (—) Latin, Horace, Div. A (Swindler) Div. B (Ballou) Italian (W. L. Bullock) History of Europe, Div. B (W. R. Smith) Psychology, Experimental (Ferree and Rand) Art of the Far East (Rowley) Physics, Demonstration (Huff) Greek Literature (Wright) English Drama (Chew) French Reading and Composition (Gilli) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology Laboratory (Bissell) Biology (Schrader) Chemistry Journal Club (Brunel and Cren- shaw)	Spanish (—) Latin, Cicero, Div. A (Wheeler) Div. B (Swindler) Italian (Bullock) History of Europe, Div. B (W. R. Smith) Psychology, Experimental (Ferree and Rand) Italian Renaissance Painting (G. G. King) Physics (Huff) Greek, Demosthenes (Sanders) English Drama (Chew) French Literature (Pardé) Politics, Present Problems (Fenwick) Mathematics (Pell) Geology Laboratory (Bissell) Biology (Schrader) Advanced History of Music (Surette, Alwyne)

SCHEDULE OF LECTURES

Hour	Course	Monday	Tuesday
2	LABORATORY WORK	Psychology, Minor (Ferree and Rand) Educational Psychology (—) Physics, Minor (Huff) Chemistry, Major (Crenshaw) Geology, Major, Field Work (Bissell) Biology, Minor (Tennent)	Psychology, Minor (Ferree and Rand) Physics, Minor (Huff) Chemistry, Major (Crenshaw) Geology, Major (Bissell) Biology, Minor (Tennent)
	ELECTIVE	Hebrew Prophets (—) Psychology of Childhood (—) Harmony (Alwyne)	Hebrew Prophets (—) Psychology of Childhood (—) Applied Sociology (Deardorff)
	POST-MAJOR	Greek, Æschylus (Sanders) French, Social Ideals (Pardé) Economics and Politics, American Economic Problems (M. P. Smith) Renaissance Sculpture (G. G. King) Mathematics (Pell)	Greek, Æschylus (Sanders) French, Social Ideals (Pardé) Economics and Politics, American Economic Problems (M. P. Smith) Renaissance Sculpture (G. G. King) Mathematics (Pell)
	GRADUATE	Seminary in Old English (Brown), 2.30-4.30 Italian Seminary (Bullock), 2-4 Seminary in Community Organization Practicum (Kingsbury and Deardorff), 2-4	Advanced Romance Philology (Gilli) Seminary in Municipal Government (—) Advanced Social Statistics (—) Seminary in History of Philosophy (G. de Laguna), 2-4 Intelligence Tests (—), 2-4
3	LABORATORY WORK	Psychology, Minor (Ferree and Rand) Educational Psychology (—) Physics, Minor (Huff) Chemistry, Major (Crenshaw) Geology, Major, Field Work (Bissell) Biology, Minor (Tennent)	Psychology, Minor (Ferree and Rand) Physics, Minor (Huff) Chemistry, Major (Crenshaw) Geology, Major (Bissell) Biology, Minor (Tennent)
	ELECTIVE	Education, Reading of Shakespeare (S. A. King) Religions of the Indo-Europeans (—) History and Appreciation of Music (Surette, Alwyne) Greek, Theocritus (Wright) Latin, Lucretius and Catullus (Ballou) Advanced French Composition (Gilli)	Education, Reading of Shakespeare (S. A. King) Religions of the Indo-Europeans (—) Advanced Experimental Psychology (Ferree) History and Appreciation of Music (Surette, Alwyne) Latin, Lucretius and Catullus (Ballou) Advanced French Composition (Gilli)
	POST-MAJOR	History, Colonization of America (W. R. Smith) Mathematics (Scott) Seminary in Modern French Literature (Schenck) Germanic Seminary (Prokosch), 3-5 Psychology Journal Club (Leuba, Ferree and Rand) Seminary in Medieval Art (G. G. King), 3-5	History, Colonization of America (W. R. Smith) Mathematics (Scott) Greek Seminary, Greek Historians (Sanders), 3-4.30 Seminary in English Literature (Chew), 3-4.30 Seminary in Research in Labour Problems (Jeter)
	GRADUATE	Latin Seminary, Roman Historiography (Ballou), 4-6 Seminary in Medieval French Literature (Gilli), 4-6 History Journal Club (Gray, W. R. Smith, David), 4-6. Alternate Weeks Economics Journal Club (M. P. Smith, Fenwick), 4-6. Alternate Weeks Psychology Seminary (Leuba), 4-6 Orchestration (Alwyne), 4-6 Seminary in Zoology (Tennent), 4.30-6	Greek Journal Club (Sanders and Wright), 4.30-6. Alternate Weeks Latin Journal Club (Wheeler, Ballou and Swindler), 4.30-6. Alternate Weeks Middle English Seminary (Brown), 4.30-6 Romance Languages Journal Club (Schenck, Gilli, Pardé, H. B. Smith, W. L. Bullock, De Haan), 4.30-6. Alternate Weeks Semitic History Seminary (—) Seminary in European History (Gray), 4-6 Seminary in Politics (Fenwick), 4-6 Seminary in the Family (Deardorff), 4-6 Seminary in Social Philosophy (T. de Laguna), 4-6 Seminary in Music (Alwyne), 4-6 Mathematical Journal Club (Scott and Pell), Alternate Weeks Seminary in Physiology (Yates), 4.30-6
4	GRADUATE		
5	GRADUATE		

IRST SEMESTER, 1923-24 (continued).

WEDNESDAY	THURSDAY	FRIDAY
<p>Psychology of Childhood (—) Harmony (Alwyne) Social Institutions of the Hebrews (—) Greek, Sophocles (Sanders) Applied Sociology (Deardorff) Latin Composition (Ballou) French, Masterpieces of French Literature (Pardé) Economics and Politics, American Economic Problems (M. P. Smith) Renaissance Sculpture (G. G. King) Mathematics (Pell) Biology, Embryology (Tennent)</p> <p>Advanced Old French Philology (Gilli)</p> <p>Geology Journal Club (Bascom and Bissell), 2.15-4.15. Alternate Weeks</p>	<p>Physics, Major (Barnes) Chemistry, Minor (Brunel) Geology, Minor (Bascom) Biology, Major (Schrader)</p> <p>History of Education (—) Criticism (Crandall)</p> <p>French Short Story (Schenck)</p> <p>Economics and Politics, International Law (Fenwick)</p> <p>Renaissance Architecture (Rowley)</p> <p>Elementary Semitic Languages (—), 2-4 Seminary in European History (Gray) Seminary in Aegean Archaeology (Swindler), 2-4</p>	<p>Physics, Major (Barnes) Chemistry, Minor (Brunel) Geology, Minor (Bascom) Biology, Major (Schrader)</p> <p>History of Education (—)</p> <p>French Short Story (Schenck)</p> <p>Economics and Politics, International Law (Fenwick)</p> <p>Renaissance Architecture (Rowley)</p> <p>Greek Seminary, Plato (Wright), 2-4</p> <p>Romance Philology (Gilli) Seminary in Labour Organization (Jeter), 2-4</p>
<p>Daily Themes (Crandall)</p> <p>History and Appreciation of Music (Surette, Alwyne)</p> <p>Greek, Theocritus (W. C. Wright) Latin, Lucretius and Catullus (Ballou)</p> <p>England under the Tudors (Gray)</p> <p>Biology, Physiology (Yates)</p> <p>Anglo-French (Gilli)</p> <p>Middle High German (Prokosch)</p> <p>Seminary in Politics (Fenwick)</p> <p>Seminary in Sienese Painting (Rowley), 4-6 Seminary in Mathematics (Scott), 3.30-5.30</p>	<p>Physics, Major (Barnes) Chemistry, Minor (Brunel) Geology, Minor (Bascom) Biology, Major (Schrader)</p> <p>Argumentation (Crandall)</p> <p>Roman Satire (Wheeler) Spanish (De Haan)</p> <p>England under the Tudors (Gray) Municipal Government (—)</p> <p>Greek Seminary Greek Historians (Sanders), 3-4.30</p> <p>Seminary in English Literature (Chew), 3-4.30 French Literature (Pardé), 3-5</p> <p>Philosophical Journal Club (T. de Laguna and G. de Laguna), 3-4.30 Seminary in Educational Psychology (—), 3-5</p> <p>Seminary in Mathematics (Pell), 3.30-5.30</p>	<p>Physics, Major (Barnes) Chemistry, Minor (Brunel) Geology, Minor (Bascom) Biology, Major (Schrader)</p> <p>Roman Satire (Wheeler) Spanish (De Haan)</p> <p>England under the Tudors (Gray) Municipal Government (—)</p> <p>English Journal Club (Brown, Donnelly, Chew, Crandall and —), 3-4.30. Alternate Weeks</p> <p>Middle High German (Prokosch)</p> <p>Archæological Journal Club (Swindler), 3-4.30. Alternate Weeks</p>
<p>Latin Seminary, Roman Elegy (Wheeler), 4.30-6 Seminary in English Composition (Crandall), 4-6</p> <p>Seminary in Modern French Literature (Schenck), 4-6</p> <p>Spanish Seminary (De Haan), 4-6 Gothic (Prokosch), 4.30-6 Seminary in History of Religions (—)</p> <p>Seminary in American History (W. R. Smith), 4-6 Seminary in Races and Peoples (Deardorff), 4-6 Seminary in Ethics (T. de Laguna), 4-6 Canon and Fugue (Alwyne), 4-6</p> <p>Seminary in Zoology (Tennent), 4.30-6</p>	<p>Middle English Seminary (Brown), 4.30-6 Seminary in German Literature (Schafheitlin), 4-6 Old French Philology (Gilli), 4.30-6</p> <p>Seminary in Hebrew (—), 4-6 Historical Bibliography (David) Seminary in Municipal Government (—), 4-6 Education Journal Club (—), 4.30-6</p> <p>Journal Club in History of Art (G. G. King and Rowley), 4.30-6. Alternate Weeks</p> <p>Seminary in Physiology (Yates), 4.30-6</p>	<p>Latin Seminary Roman Elegy (Wheeler), 4.30-6</p> <p>Gothic (Prokosch), 4.30-6 Seminary in History of England (David), 4-6 Seminary in Economics (M. P. Smith), 4-6 Seminary in Educational Methods (—), 4-6</p>

Hour	COURSE	MONDAY	TUESDAY
8	ELEMENTARY	French (Gilman) Italian (—) German (Schafheitlin)	French (Gilman) Italian (—) German (Schafheitlin)
	GENERAL	Philosophy (T. de Laguna, G. de Laguna)	Philosophy (T. de Laguna, G. de Laguna)
	ELECTIVE	Educational Psychology (—)	Education (—)
9	ELEMENTARY MINOR	Greek (Kirk) Greek, Euripides (Sanders) French, 19th Century Literature, Div. A. (Pardé) Div. B. (Schenck) Spanish (De Haan) Introduction to Government and Politics, Div. B. (Fenwick) Mathematics, Calculus (Pell) Chemistry (Crenshaw) Geology (Bissell)	Greek (Kirk) Greek, Homer (Wright) French Reading and Composition, Div. A. (Pardé) Div. B. (Gilman) Spanish (De Haan) Introduction to Government and Politics, Div. B. (Fenwick) Mathematics, Algebra (Pell) Chemistry Laboratory (Crenshaw) Geology Laboratory (Bissell)
	MAJOR	Italian (W. L. Bullock) Mediaeval Art, Gothic (Rowley)	Italian (W. L. Bullock) Modern Painting (G. G. King)
	ELECTIVE	History of the Near East (—) Ancient Civilization (David) Biology, Theoretical (Tennent)	Old Testament Literature (—) British Imperialism (W. R. Smith) Advanced Harmony (Alwyne)
	GRADUATE	Industrial Supervision Field Work (Jeter), 8-5 Social Economy, Social Treatment (Deardorff, Additon), 9-11 Physics (Huff)	Industrial Relations (Jeter), 9-11 Mental Tests, Field Work (Rand), 9-5
10	GENERAL	English Composition, 2nd year (H. B. Bullock)	English Composition, 2nd year (H. B. Bullock)
	MINOR	English Poetry (Donnelly) German Literature (Schafheitlin) History of Europe from 1763, Div. A (Gray) Ancient Architecture (Dohan) Biology Laboratory (Schrader)	English Poetry (Donnelly) German Reading (Prokosch) History of Europe from 1763, Div. A (Gray), Ancient Rome (Swindler) Biology Laboratory (Schrader)
	MAJOR	Recent Philosophical Tendencies (T. de Laguna)	Recent Philosophical Tendencies (T. de Laguna)
	ELECTIVE	Elements of Law (Fenwick)	Modern French Literature (Schenck) Natural Resources (Bissell)
	POST-MAJOR	Physics (Huff) Chemistry (Brunel)	Physical Chemistry (Crenshaw)
	GRADUATE	Petrography (Bascom)	
11	GENERAL	English Literature, 1st year (Donnelly)	English Literature, 1st year (Donnelly)
	MINOR	Introduction to Government and Politics, Div. A (—) History of Philosophy (G. de Laguna) Greek Sculpture (Dohan)	Introduction to Government and Politics, Div. A (—) History of Philosophy (G. de Laguna) Archæology, Minor Arts (Dohan)
	MAJOR	Latin Comedy (Wheeler) Spanish Reading (De Haan) German (Schafheitlin) History of the U. S. (W. R. Smith) Psychology, Applied (Rand) Physics (Huff) Chemistry (Brunel)	Latin Literature (Ballou) Spanish Literature (De Haan) German (Prokosch) History of the U. S. (W. R. Smith) Psychology, Applied (Rand) Physics (Huff) Chemistry (Brunel)
	ELECTIVE	Seminary in Social Relief (Deardorff, Additon), 11-1 Systematic Psychology (Ferree) Community Organization (White), 11-1, Alt. Weeks	Greek Religion and Myths (Wright) Statistics (Kingsbury)
	GRADUATE		
12	ELEMENTARY	Spanish (—)	Spanish (—)
	MINOR	Latin, Terence, Div. A (Swindler) Div. B (Wheeler) Italian (W. L. Bullock) History of Europe from 1763, Div. B (David) Psychology of Instinct and Emotion (Leuba) Italian Renaissance Painting (G. G. King) Physics (Barnes)	Latin, Horace, Div. A (Ballou) Div. B. (Swindler) Italian (W. L. Bullock) History of Europe from 1763, Div. B (David) Psychology of Instinct and Emotion (Leuba) Art of the Far East (Rowley) Physics Laboratory (Barnes)
	MAJOR	Greek, Thucydides (Sanders) Middle English Poetry (Brown) English Literature from Dryden to Johnson (Chew) French Literature (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Geology (Bascom) Biology (Yates)	Greek Literature (W. C. Wright) Middle English Poetry (Brown) English Literature from Dryden to Johnson (Chew) French Reading and Composition (Gilli) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Geology (Bascom) Biology (Yates)
	ELECTIVE	Advanced History of Music (Surette, Alwyne)	
	GRADUATE	Chemistry (Brunel)	Chemistry (Brunel)

SECOND SEMESTER, 1923-24.

WEDNESDAY	THURSDAY	FRIDAY
French (Gilman) Italian (—) German (Schafheitlin) Philosophy (T. de Laguna, G. de Laguna) Educational Psychology (—)	Italian (—) French (Gilman) German (Schafheitlin) Philosophy (T. de Laguna, G. de Laguna) Education (—)	French (Gilman) Italian (—) German (Schafheitlin) Philosophy (T. de Laguna, G. de Laguna) Educational Psychology (—)
Greek (Kirk) Greek, Euripides (Sanders) French, 19th Century Literature, Div. A (Pardé) Div. B (Schenck) Spanish (De Haan) Introduction to Government and Politics, Div. B. (Fenwick) Mathematics, Calculus (Pell) Chemistry (Crenshaw) Geology (Bissell) Italian (W. L. Bullock) Mediaeval Art, Gothic (Rowley) History of the Near East (—) Ancient Civilization (David)	Greek (Kirk) Greek, Homer (Wright) French, Reading and Composition, Div. A (Pardé) Div. B (Gilman) Spanish (De Haan) Introduction to Government and Politics, Div. B (Fenwick) Mathematics, Algebra (Pell) Chemistry, Demonstration (Crenshaw) Geology, Demonstration (Bissell) Italian (W. L. Bullock) Modern Painting (G. G. King) Old Testament Literature (—) British Imperialism (W. R. Smith) Advanced Harmony (Alwyne)	Greek (Kirk) Greek, Herodotus (Sanders) French, 19th Century Literature, Div. A (Pardé) Div. B (Schenck) Spanish (De Haan) Introduction to Government and Politics, Div. B (Fenwick) Mathematics, Calculus (Pell) Chemistry (Crenshaw) Geology (Bissell) Italian (W. L. Bullock) Mediaeval Art, Gothic (Rowley) History of the Near East (—) Ancient Civilization (David) Physical Basis of Music (Huff)
Social Economy Practicum (Jeter). Alternate Weeks, 9-11 Physics (Barnes)	Seminary in Applied Psychology (Rand), 9-11 Physics Journal Club (Huff and Barnes) Biology Journal Club (Tennent, Yates and Schrader)	Seminary in Social and Industrial Research (Kingsbury) Physics (Barnes)
English Composition, 2nd year (H. B. Bullock) English Poetry (Donnelly) German Literature (Schafheitlin) History of Europe from 1763, Div. A (Gray) Ancient Architecture (Dohan) Biology (Schrader) Recent Philosophical Tendencies (T. de Laguna) Cosmogony (Bascom) Physics (Huff) Chemistry (Brunel) Seminary in Educational Research (—), 10-12 Petrography (Bascom)	English Composition, 2nd year (H. B. Bullock) English Poetry (Donnelly) German Reading (Prokosch) History of Europe from 1763, Div. A (Gray) Ancient Rome (Swindler) Biology (Schrader) Recent Philosophical Tendencies (T. de Laguna) Modern French Literature (Schenck) Natural Resources (Bissell) Physical Chemistry (Crenshaw)	English Composition, 2nd year (H. B. Bullock) English Poetry (Donnelly) German Literature (Schafheitlin) History of Europe from 1763, Div. A (Gray) Egypt and Crete (Dohan) Biology (Schrader) Recent Philosophical Tendencies (T. de Laguna) Physics (Huff) Chemistry (Brunel) Petrography (Bascom)
English Literature, 1st year (Donnelly) Introduction to Government and Politics, Div. A (—) History of Philosophy (G. de Laguna) Greek Sculpture (Dohan) Latin Comedy (Wheeler) Spanish Grammar (De Haan) German (Schafheitlin) History of the U. S. (W. R. Smith) Psychology, Applied (Rand) Physics (Huff) Chemistry (Brunel) Systematic Psychology (Ferree)	English Literature, 1st year (Donnelly) Introduction to Government and Politics, Div. A (—) History of Philosophy (G. de Laguna) Archæology, Minor Arts (Dohan) Latin Literature (Ballou) Spanish Literature (De Haan) German (Prokosch) History of the U. S. (W. R. Smith) Psychology, Applied (Rand) Physics Laboratory (Huff) Chemistry Laboratory (Brunel) Greek Religion and Myths (Wright)	English Literature, 1st year (Donnelly) Introduction to Government and Politics, Div. A (—) History of Philosophy (G. de Laguna) Greek Sculpture (Dohan) Latin Comedy (Wheeler) Spanish Reading (De Haan) German, Faust (Prokosch) History of the U. S. (W. R. Smith) Psychology, Applied (Rand) Physics Laboratory (Huff) Chemistry Laboratory (Brunel) Systematic Psychology (Ferree)
Spanish (—) Latin, Terence, Div. A (Swindler) Div. B (Wheeler) Italian (W. L. Bullock) History of Europe from 1763, Div. B (David) Psychology of Instinct and Emotion (Leuba) Italian Renaissance Painting (G. G. King) Physics (Barnes) Greek, Sophocles (Sanders) Middle English Poetry (Brown) English Literature from Dryden to Johnson (Chew) French Literature (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Geology (Bascom) Biology (Yates) Advanced History of Music (Surette, Alwyne)	Spanish (—) Latin, Horace, Div. A (Ballou) Div. B (Swindler) Italian (W. L. Bullock) History of Europe from 1763, Div. B (David) Psychology of Instinct and Emotion (Leuba) Art of the Far East (Rowley) Physics, Demonstration (Barnes) Greek Literature (W. C. Wright) Middle English Poetry (Brown) English Literature from Dryden to Johnson (Chew) French, Reading and Composition (Gilli) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Geology Laboratory (Bascom) Biology Laboratory (Yates) Chemistry Journal Club (Brunel and Crenshaw)	Spanish (—) Latin, Terence, Div. A (Swindler) Div. B (Wheeler) Italian (W. L. Bullock) History of Europe from 1763, Div. B (David) Psychology of Instinct and Emotion (Leuba) Italian Renaissance Painting (G. G. King) Physics (Barnes) Greek, Thucydides (Sanders) Middle English Poetry (Brown) English Literature from Dryden to Johnson (Chew) French Literature (Schenck) Econ., Hist. of Econ. Thought (M. P. Smith) Mathematics (Scott) Geology Laboratory (Bascom) Biology Laboratory (Yates) Advanced History of Music (Surette, Alwyne)

SCHEDULE OF LECTURES

Hour	Course	Monday	Tuesday
2	LABORATORY WORK	Educational Psychology (—) Physics, Minor (Barnes) Chemistry, Major (Brunel) Geology, Major, Field Work (Bascom) Biology, Minor (Schrader)	Physics, Minor (Barnes) Chemistry, Major (Brunel) Geology, Major (Bascom) Biology, Minor (Schrader)
	ELECTIVE	Hebrew Prophets (—) Psychology of Childhood (—) Harmony (Alwyne)	Hebrew Prophets (—) Psychology of Childhood (—) Applied Sociology (Deardorff)
	POST-MAJOR	Greek, Rhetoricians (Sanders) French Social Ideals (Pardé)	Greek, Bacchylides (Sanders) French Social Ideals (Pardé)
	GRADUATE	Economics and Politics, American Economic Problems (M. P. Smith) Renaissance Sculpture (G. G. King) Mathematics (Pell) Seminary in Old English (Brown), 2.30-4.30 Italian Seminary (Bullock), 2-4 Seminary in Community Organization Practicum (Kingsbury, Deardorff), 2-4	Economics and Politics, American Economic Problems (M. P. Smith) Renaissance Sculpture (G. G. King) Mathematics (Pell) Advanced Romance Philology (Gilli) Seminary in Municipal Government (—) Advanced Social Statistics (—) Seminary in History of Philosophy (G. de Laguna), 2-4 Intelligence Tests (—), 2-4
3	LABORATORY WORK	Educational Psychology (—) Physics, Minor (Barnes) Chemistry, Major (Brunel) Geology, Major, Field Work (Bascom) Biology, Minor (Schrader)	Physics, Minor (Barnes) Chemistry, Major (Brunel) Geology, Major (Bascom) Biology, Minor (Schrader)
	ELECTIVE	Elocution, Reading of Shakespeare (S. A. King) Religions of the Indo-Europeans (—) History and Appreciation of Music (Surette, Alwyne)	Elocution, Reading of Shakespeare (S. A. King) Religions of the Indo-Europeans (—) Advanced Experimental Psychology (Ferree, King) History and Appreciation of Music (Surette, Alwyne)
	POST-MAJOR	Greek, Lucian (W. C. Wright) Latin, The Latin Essay (Ballou) Advanced French Composition (Gilli) History, Colonization of America (W. R. Smith) Mathematics (Scott)	Latin, The Latin Essay (Ballou) Advanced French Composition (Gilli) Spanish (—) History, Colonization of America (W. R. Smith) Mathematics (Scott)
	GRADUATE	Germanic Seminary (Prokosh), 3-5 Seminary in Modern French Literature (Schenck) Psychology Journal Club (Leuba, Ferree and Rand) Seminary in Mediæval Art (G. G. King), 3-5	Greek Seminary Greek Historians (Sanders), 3-4.30 Seminary in English Literature (Chew), 3-4.30 Seminary in Research in Labour Problems (Jeter)
4	GRADUATE	Latin Seminary, Roman Historiography (Ballou) Seminary in Mediæval French Literature (Gill), 4-6 Elementary Semitic Languages (Barton) History Journal Club (Gray, W. R. Smith, and David), 4-6. Alternate Weeks Economics Journal Club (Marion P. Smith, Fenwick), 4-6. Alternate Weeks Psychology Seminary (Leuba), 4-6 Orchestration (Alwyne), 4-6 Seminary in Zoology (Tennent), 4.30-6	Greek Journal Club (Sanders and W. C. Wright), 4.30-6. Alternate Weeks Latin Journal Club (Wheeler, Ballou, Swindler), 4.30-6. Alternate Weeks Middle English Seminary (Brown), 4.30-6 Romance Languages Journal Club (Schenck, Gilli, Pardé, H. B. Smith, W. L. Bullock, De Haan), 4.30-6. Alternate Weeks Semitic History Seminary (—) Seminary in European History (Gray), 4-6 Seminary in Politics (Fenwick), 4-6 Seminary in Social Psychology (Leuba), 4-6 Mathematical Journal Club (Scott and Pell), Alternate Weeks Seminary in the Family (Deardorff), 4-6 Seminary in Music (Alwyne), 4-6
5	GRADUATE		Seminary in Physiology (Yates), 4.30-6

SECOND SEMESTER, 1923-24 (continued).

WEDNESDAY	THURSDAY	FRIDAY
Chemistry, Major (Brunel)	Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Minor (Crenshaw) Geology, Minor (Bissell) Biology, Major (Yates)	Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Minor (Crenshaw) Geology, Minor (Bissell) Biology, Major (Yates)
Social Institutions of the Hebrews (—) Applied Sociology (Deardorff) Psychology of Childhood (—) Harmony (Alwyne) Greek, Euripides (Sanders) Latin, Composition (Ballou) French, Masterpieces of French Literature (Pardé)	History of Education (—) Idea of the Hereafter (—) French Short Story (Schenck)	History of Education (—) Idea of the Hereafter (—) French Short Story (Schenck)
Economics and Politics, American Economic Problems (M. P. Smith) Renaissance Sculpture (G. G. King) Mathematics (Pell) Biology, Embryology (Tennent) Advanced Old French Philology (Gilli) Geology Journal Club (Bascom and Bissell), 2.15-4.15. Alternate Weeks	Economics and Politics, International Law (Fenwick) Renaissance Architecture (Rowley) Elementary Semitic Languages (Meek), 2-4 Seminary in European History (Gray) Ancient Painting (Swindler)	Economics and Politics, International Law (Fenwick) Renaissance Architecture (Rowley) Greek Seminary, Plato (Wright), 2-4 Romance Philology (Gilli) Seminary in Labour Organization (Jeter), 2-4
Chemistry, Major (Brunel)	Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Minor (Crenshaw) Geology, Minor (Bissell) Biology, Major (Yates)	Psychology, Major (Rand) Physics, Major (Huff) Chemistry, Minor (Crenshaw) Geology, Minor (Bissell) Biology, Major (Yates)
Criticism (Crandall) History and Appreciation of Music (Surette, Alwyne) Greek, Lucian (W. C. Wright) Latin, The Latin Essay (Ballou) Historical French Grammar (Gilli) England under the Tudors (Gray) Biology, Physiology (Yates)	Argumentation (Crandall) Roman Satire (Wheeler) Spanish (De Haan) England Under the Tudors (Gray)	Roman Satire (Wheeler) Spanish (De Haan) England Under the Tudors (Gray)
Anglo-French (Gilli) Middle High German (Prokosch) Seminary in Politics (Fenwick) Seminary in Mathematics (Scott), 3.30-5.30 Seminary in Sienese Painting (Rowley), 4-6	Greek Seminary, Greek Historians (Sanders), 3-4.30 Seminary in English Literature (Chew), 3-4.30 French Literature (Pardé), 3-5 Philosophical Journal Club (T. de Laguna and G. de Laguna), 3-4.30 Seminary in Mathematics (Pell), 3.30-5.30 Seminary in Educational Psychology (—), 3-5	English Journal Club (Brown, Donnelly, Chew, Crandall and —), 3-4.30. Alternate Weeks Middle High German (Prokosch) Archæological Journal Club (Dohan and Swindler), 3-4.30. Alternate Weeks
Latin Seminary, Roman Elegy (Wheeler), 4.30-6 Seminary in English Composition (Crandall), 4-6 Seminary in Modern French Literature (Schenck), 4-6 Spanish Seminary (De Haan) Old Norse (Prokosch), 4.30-6 Seminary in History of Religions (—) Seminary in American History (W. R. Smith), 4-6 Seminary in Races and Peoples (Deardorff), 4-6 Seminary in Ethics (T. de Laguna), 4-6 Canon and Fugue Alwyne, 4-6 Seminary in Zoology (Tennent), 4.30-6	Middle English Seminary (Brown), 4.30-6 Seminary in German Literature (Schafheitlin), 4-6 Old French Philology (Gilli), 4.30-6 Seminary in Hebrew (—), 4-6 Historical Bibliography (David) Seminary in Municipal Government (—), 4-6 Journal Club in History of Art (G. G. King and Rowley), 4.30-6. Alternate Weeks Education Journal Club (—), 4.30-6 Seminary in Physiology (Yates), 4.30-6	Latin Seminary, Roman Elegy (Wheeler), 4.30-6 Old Norse (Prokosch), 4.30-6 Seminary in History of England (David), 4-6 Seminary in Economics (M. P. Smith), 4-6 Seminary in Petrology (Bascom), 4.30-6 Seminary in Educational Methods (—), 4-6

SCHEDULE OF COLLEGIATE EXAMINATIONS,

		WEDNESDAY, JANUARY 23 RD .
		MINOR. Hour. History of Europe, Divs. A and B 9.00-12.00
		POST-MAJOR. Latin, Roman Satire..... 9.00-11.00 History, Tudor England..... 9.00-11.00 Greek, Aeschylus..... 2.00- 4.00 French, Social Ideals..... 2.00- 4.00 Economics..... 2.00- 4.00 Spanish, Advanced..... 9.00-11.00 History of Art, Renaissance Sculpture..... 2.00- 4.00 Mathematics, Analysis..... 2.00- 4.00
		ELECTIVE. Greek, Elementary Homer..... 2.00- 4.00 Hebrew Prophets..... 2.00- 4.00 Applied Sociology..... 2.00- 4.00 Psychology of Childhood..... 2.00- 4.00 Harmony..... 2.00- 4.00
MONDAY, JANUARY 28 TH .	TUESDAY, JANUARY 29 TH .	WEDNESDAY, JANUARY 30 TH .
ELEMENTARY. Hour. Greek..... 9.00-12.00	MINOR. Hour. German, Reading..... 9.00-11.00 Ancient Painting..... 2.00- 4.00	ELECTIVE. Hour. Reading of Shakespeare..... 9.00-10.15 Religions of the Indo-Europeans 9.00-11.00 Advanced Exper. Psychology... 9.00-11.00 Hist. and Appreciation of Music 9.00-11.00
MINOR. Greek, Plato and Sophocles.... 9.00-12.15 French Literature..... 9.00-11.00 Spanish..... 9.00-12.00 Mathematics, Analytical Conics. 9.00-11.00 Chemistry..... 9.00-12.00 Geology..... 9.00-12.00	MAJOR. Spanish..... 2.00- 4.00 German..... 2.00- 4.00 Hellenistic Towns..... 9.00-11.00	POST-MAJOR. Greek, Theocritus..... 9.00-11.00 Latin, Lucretius and Catullus... 9.00-11.00 Advanced French Composition. 9.00-11.00 History, Colonisation of America 9.00-11.00 Mathematics, Geometry..... 9.00-11.00
MAJOR. Italian, Literature..... 9.00-11.00 Mediaeval Art..... 9.00-11.00	ELECTIVE. Modern French Literature..... 9.00-11.00 Geology, Natural Resources.... 9.00-11.00	ELECTIVE. Criticism..... 2.00- 4.00 Education, History of..... 2.00- 4.00
ELECTIVE. History of the Near East..... 9.00-11.00 History of Ancient Civilization.. 9.00-11.00 Biology, Theoretical..... 11.00-12.15	POST-MAJOR. Chemistry, Physical..... 9.00-11.00	POST-MAJOR. French Short Story..... 2.00- 4.00 Politics, International Law..... 2.00- 4.00 History of Art, Renaissance Architecture..... 2.00- 4.00
MINOR. Latin, Horace..... 2.00 4-00 Italian Composition..... 2.00 4-00 Art of the Far East..... 2.00 4-00	MAJOR. Latin, Literature..... 2.00- 4.00	
MAJOR. Greek, Literature..... 2.00- 4.00 French Reading and Composition 2.00- 4.00 Mathematics, Theory of Equations..... 2.00- 4.00	ELECTIVE. Greek, Religion and Myths..... 2.00- 4.00 Statistics..... 2.00- 3.15	

1ST SEMESTER, 1923-24.

THURSDAY, JANUARY 24TH.		FRIDAY, JANUARY 25TH.		SATURDAY, JANUARY 26TH.	
GENERAL. Hour		ELEMENTARY. Hour.		ELEMENTARY. Hour	
cond Year English, Literature.	9.00-12.00	Spanish.....	9.00-12.00	French.....	9.00-12.00
MINOR.		MINOR.		German.....	9.00-12.00
English, 19th Century Critics....	9.00-12.00	Latin, Cicero.....	9.00-11.00	Italian.....	9.00-12.00
Middle English Romances.....	9.00-12.00	Italian, Literature.....	9.00-11.00	GENERAL.	
German, Grammar and Reading	9.00-11.00	Experimental Psychology.....	9.00-12.00	Psychology.....	9.00-12.00
Scient Architecture.....	9.00-11.00	Italian Renaissance Painting...	9.00-11.00	ELECTIVE.	
Geology.....	9.00-12.00	Physics.....	9.00-12.00	Educational Psychology.....	9.00-11.00
MAJOR.		MAJOR.		POST-MAJOR.	
Philosophy. Kant to Spencer...	9.00-12.00	Greek Demosthenes and Aris- tophanes.....	9.00-12.15	Inorganic Chemistry.....	2.00- 4.00
ELECTIVE.		English Drama.....	9.00-12.00		
Private Law.....	9.00-10.15	French Literature.....	9.00-11.00		
Cosmogony.....	10.30-11.45	Politics.....	9.00-12.00		
Augmentation.....	2.00- 4.00	Mathematics, Differential and Integral Calculus.....	9.00-11.00		
POST-MAJOR		Geology.....	9.00-12.00		
Physics.....	9.00-11.00	Biology.....	9.00-12.00		
Chemistry, Organic.....	9.00-11.00	POST-MAJOR.			
Geology, Petrography.....	9.00-11.00	Greek, Sophocles.....	2.00- 3.15		
		Latin, Composition.....	2.00- 3.15		
		French, Masterpieces.....	2.00- 3.15		
		Mathematics.....	2.00- 3.15		
		Biology, Embryology.....	2.00- 4.00		
		ELECTIVE.			
		Hebrew Social Institutions....	2.00- 4.00		
		Advanced History of Music....	9.00-11.00		
THURSDAY, JANUARY 31st.		FRIDAY, FEBRUARY 1st.		SATURDAY, FEBRUARY 2nd.	
MINOR. Hour.		GENERAL. Hour.		MINOR. Hour.	
Greek, Homer.....	9.00-11.00	First Year, English Composition.	9.00-12.00	Economics, Divs. A and B.....	9.00-12.00
French, Reading and Composi- tion.....	9.00-11.00	MINOR.		POST-MAJOR.	
Mathematics, Trigonometry....	9.00-11.00	Philosophy, Ethics.....	9.00-12.00	Stratigraphy and Paleontology..	9.00-11.00
MAJOR.		Greek Sculpture.....	9.00-11.00	ELECTIVE.	
Italian.....	9.00-11.00	MAJOR.		Education.....	2.00- 4.00
7th and 18th Century Painting.	9.00-11.00	Latin, Tacitus and Composition.	9.00-12.15		
ELECTIVE.		Spanish.....	9.00-11.00		
Literature of the Old Testament.	9.00-11.00	German, Reading and Composi- tion.....	9.00-11.00		
History, British Imperialism....	9.00-11.00	History of the Renaissance.....	9.00-12.00		
Advanced Harmony.....	9.00-11.00	Psychology, Social Psychology..	9.00-12.00		
POST-MAJOR.		Physics.....	9.00-12.00		
Biology, Physiology.....	2.00- 4.00	Chemistry.....	9.00-12.00		
		ELECTIVE.			
		Daily Themes.....	2.00- 4.00		
		POST-MAJOR.			
		Economic Geology.....	9.00-11.00		

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SECOND SEMESTER, 1923-24.

THURSDAY, MAY 22ND.	FRIDAY, MAY 23RD.	SATURDAY, MAY 24TH
ELECTIVE. Reading of Shakespeare..... 9.00-10.15 Advanced Experimental Psychology..... 9.00-11.00 Indo-European Religions..... 9.00-11.00 History and Appreciation of Music..... 9.00-11.00 POST-MAJOR. Greek, Lucian..... 9.00-11.00 Latin, The Essay..... 9.00-11.00 Advanced French Composition.. 9.00-11.00 History, Colonization of America 9.00-11.00 Mathematics, Geometry..... 9.00-11.00 ELECTIVE. Education, History of..... 2.00- 4.00 Idea of the Hereafter..... 2.00- 3.30 POST-MAJOR. French, Short Story..... 2.00- 4.00 International Law..... 2.00- 4.00 History of Art, Renaissance Architecture..... 2.00- 4.00	GENERAL. Second Year English Composition..... 9.00-12.00 MINOR. English, English Poetry..... 9.00-12.00 German, Grammar and Reading 9.00-11.00 Ancient Architecture..... 9.00-11.00 Egypt and Crete..... 11.15-12.30 Biology..... 9.00-12.00 MAJOR. Philosophy, Recent Philosophical Tendencies..... 9.00-12.00 ELECTIVE Private Law..... 9.00-10.15 Cosmogony..... 11.00-12.15 POST-MAJOR. Physics..... 9.00-11.00 Chemistry, Organic..... 9.00-11.00	MINOR. Politics, Divs. A and B..... 9.00-12.00 Greek Minor Arts..... 2.00- 4.00 MAJOR. Latin Literature..... 2.00- 4.00 Spanish, Literature..... 2.00- 4.00 German Literature..... 2.00- 4.00 ELECTIVE. Greek Religion..... 2.00- 4.00 Statistics..... 2.00- 3.15 Physical Basis of Music..... 9.00-10.15 POST-MAJOR. Stratigraphy and Paleontology.. 9.00-11.00
THURSDAY, MAY 29TH.	FRIDAY, MAY 30TH.	SATURDAY, MAY 31ST.
ELEMENTARY. Spanish..... 9.00-10.30 MINOR. Latin, Terence..... 9.00-11.00 Italian, Literature..... 9.00-11.00 Psychology..... 9.00-12.00 Italian, Renaissance Painting... 9.00-11.00 Physics..... 9.00-12.00 MAJOR. Greek, Thucydides and Sophocles 9.00-12.15 English, Dryden to Johnson..... 9.00-12.00 English, Middle English Poetry. 9.00-12.00 French Literature..... 9.00-11.00 History of Economic Thought.. 9.00-12.00 Mathematics, Curve Tracing... 9.00-11.00 Geology..... 9.00-12.00 Biology..... 9.00-12.00 POST-MAJOR. Biology, Physiology..... 2.00- 4.00 ELECTIVE. Advanced History of Music.... 9.00-11.00	ELEMENTARY. Greek..... 9.00-10.30 MINOR Greek, Homer..... 9.00-11.00 French, Reading and Composition..... 9.00-11.00 Mathematics, Theory of Equations, Algebra..... 9.00-11.00 MAJOR. Italian, Composition..... 9.00-11.00 Modern Painting..... 9.00-11.00 ELECTIVE. Literature of the Old Testament. 9.00-11.00 Hebrew Social Institutions..... 2.00- 3.15 History of British Imperialism.. 9.00-11.00 Advanced Harmony..... 9.00-11.00 POST-MAJOR. Greek, Euripides..... 2.00- 3.15 Latin, Prose Composition..... 2.00- 3.15 French Masterpieces..... 2.00- 3.15 Chemistry, Physical..... 9.00-11.00	ELEMENTARY. French..... 2.00- 3.30 Italian..... 2.00- 3.30 German..... 2.00- 3.30 MINOR. German, Literature..... 9.00-11.00 MAJOR. Ancient Rome..... 9.00-11.00 ELECTIVE. Modern French Literature..... 9.00-11.00 Geology, Natural Resources..... 9.00-11.00 Argumentation..... 2.00- 4.00 Education..... 2.00- 4.00

SPRING, 1924.

THURSDAY, MAY 29TH.	FRIDAY, MAY 30TH.	SATURDAY, MAY 31ST.
Hour. English..... 9.30-12.30 Latin Prose Authors and Composition..... 2.00- 4.30	Hour. Plane Geometry..... 9.30-12.00 German..... 2.00- 5.00 Greek Prose Authors and Composition..... 2.00- 4.00 Greek Poets..... 4.15- 5.15	Hour. French..... 9.30-12.30 Latin Poets..... 2.00- 3.30

